Fujitsu SPARC M12 and Fujitsu M10/SPARC M10

XSCF MIB and Trap Lists

FUJITSU

ORACLE

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Preface

This document lists the values of Management Information Base (MIB) and MIB Trap of the XSCF SNMP agent function using the SPARC M12/M10 from Oracle or Fujitsu after installation. Read the necessary parts when operating SPARC M12/M10.

For installation and details of the XSCF SNMP agent function, see the *Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide*.

Fujitsu SPARC M12 is sold as SPARC M12 by Fujitsu in Japan.
Fujitsu SPARC M12 and SPARC M12 are identical products.

Fujitsu M10 is sold as SPARC M10 by Fujitsu in Japan.
Fujitsu M10 and SPARC M10 are identical products.

Audience

This document is designed for system administrators with advanced knowledge of a computer network and Oracle Solaris.

About SNMP and MIB

SNMP is a protocol for managing networks. The SNMP manager centrally manages the operating/problem status of terminals on the network. The SNMP agent returns management information called Management Information Base (MIB) for a request from the manager. Also, for certain information, the SNMP agent can perform asynchronous notification from itself to the manager using a function called Trap.

About an XSCF Extended MIB Definition File

MIB and MIB Trap values of the SPARC M12 and SPARC M10 are defined in an XSCF extended MIB definition file (XSCF-SP-MIB.mib) for the server used.

The latest XSCF extended MIB definition file corresponds to the firmware of all XCP versions.

For the place to obtain the XSCF extended MIB definition file, see the Product Notes of the server used or the MIB definition file-related information at the firmware download site.

Related Documentation

All documents for your server are available online at the following locations.

- Sun Oracle software-related documents (Oracle Solaris, etc.)
  http://docs.oracle.com/en/
- Fujitsu documents
  Global site

  http://www.fujitsu.com/global/products/computing/servers/unix/sparc/downloads/manuals/

  Japanese site

  http://www.fujitsu.com/jp/products/computing/servers/unix/sparc/downloads/manual/

For a system using the SPARC M12, see the manuals listed in "Documentation Related to the SPARC M12."

For a system using the SPARC M10, see the manuals listed in "Documentation Related to the SPARC M10."

Documentation Related to the SPARC M12

Manual Names (*1)
Fujitsu SPARC M12 Product Notes
Fujitsu SPARC M12 Quick Guide
Fujitsu SPARC M12 Getting Started Guide (*2)
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Important Legal and Safety Information (*2)
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Safety and Compliance Guide
Software License Conditions for Fujitsu SPARC M12 and Fujitsu M10/SPARC M10
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Security Guide
Fujitsu SPARC Servers/SPARC Enterprise/PRIMEQUEST Common Installation Planning Manual
Fujitsu SPARC M12-1 Installation Guide
Fujitsu SPARC M12-2 Installation Guide
Fujitsu SPARC M12-2S Installation Guide
Fujitsu SPARC M12 PCI Card Installation Guide
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Domain Configuration Guide
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 RCIL User Guide (*3)
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 XSCF Reference Manual
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 XSCF MIB and Trap Lists
Fujitsu SPARC M12-1 Service Manual
Fujitsu SPARC M12-2/M12-2S Service Manual
Crossbar Box for Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Service Manual
PCI Expansion Unit for Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Service Manual
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Glossary
External USB-DVD Drive user guide

*1 The listed manuals are subject to change without notice.
*2 Printed manuals are provided with the product.
*3 This document applies specifically to the SPARC M12/M10 and FUJITSU ETERNUS disk storage system.

Documentation Related to the SPARC M10

Manual Names (*1)
Fujitsu M10/SPARC M10 Systems Product Notes
Fujitsu M10/SPARC M10 Systems Quick Guide
Fujitsu M10/SPARC M10 Systems Getting Started Guide (*2)
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Important Legal and Safety Information (*2)
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Fujitsu SPARC Servers/SPARC Enterprise/PRIMEQUEST Common Installation Planning Manual
Fujitsu M10-1/SPARC M10-1 Installation Guide
Fujitsu M10-4/SPARC M10-4 Installation Guide
Fujitsu M10-4S/SPARC M10-4S Installation Guide
Fujitsu M10/SPARC M10 Systems PCI Card Installation Guide
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Domain Configuration Guide
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 RCIL User Guide (*3)
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 XSCF Reference Manual
Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 XSCF MIB and Trap Lists
Fujitsu M10-1/SPARC M10-1 Service Manual
Fujitsu M10-4/Fujitsu M10-4S/SPARC M10-4/SPARC M10-4S Service Manual
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Notes on Safety

Read the following documents thoroughly before using or handling SPARC M12/M10.

- *Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Important Legal and Safety Information*
- *Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 Safety and Compliance Guide*

Text Conventions

This manual uses the following fonts and symbols to express specific types of information.

Font/Symbol	Meaning	Example
AaBbCc123	What you type, when contrasted with on-screen computer output. This font is used to indicate an example of command input.	XSCF> **adduser jsmith**
AaBbCc123	The names of commands, files, and directories; on-screen computer output. This font is used to indicate an example of command output in the frame.	XSCF> **showuser -P** User Name: jsmith Privileges: useradm auditadm
Italic	Indicates the name of a reference manual.	See the *Fujitsu M10-1/SPARC M10-1 Installation Guide*.
" "	Indicates the names of chapters, sections, items, buttons, or menus.	See "Chapter 2 Network Connection."

Command Syntax in the Text

While the XSCF commands have a section number of (8) or (1), it is omitted from the text.
For details on the commands, see the *Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 XSCF Reference Manual*.

Syntax of the Command-Line Interface (CLI)

The command syntax is as follows:

- A variable that requires the input of a value must be put in Italics.
- An optional element must be enclosed in [].
- A group of options for an optional keyword must be enclosed in [] and delimited by |.

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Chapter 1 XSCF Extended MIB Overview

This chapter describes the XSCF extended MIB tree and provides an overview of the XSCF extended MIB in SPARC M12/M10 systems.

1.1 MIB Tree

Figure 1-1 shows the configuration of XSCF extended MIB. For standard trees, refer to general documents for RFC.

Figure 1-1 MIB tree

```
-iso(1)
    - org(1.3)
        - dod(1.3.6)
            - internet(1.3.6.1)
                ┌ private(1.3.6.1.4)
                |   - enterprises(1.3.6.1.4.1)
                |       - fujitsu(1.3.6.1.4.1.211)
                |           - products(1.3.6.1.4.1.211.1)
                |               ┌ solaris(1.3.6.1.4.1.211.1.15)
                |               |   -sparc(1.3.6.1.4.1.211.1.15.4)
                |               |       ┌xscfSpMIB  (1.3.6.1.4.1.211.1.15.4.1)
                |               |       |   - scfObjects(1.3.6.1.4.1.211.1.15.4.1.1)
                |               |       |       + scfInfo(1.3.6.1.4.1.211.1.15.4.1.1.1)
                |               |       |       + scfState(1.3.6.1.4.1.211.1.15.4.1.1.2)
                |               |       |       + scfMonitorInfo(1.3.6.1.4.1.211.1.15.4.1.1.3)
                |               |       |       + scfSystemInfo(1.3.6.1.4.1.211.1.15.4.1.1.4)
                |               |       |       + scfPPARInfo(1.3.6.1.4.1.211.1.15.4.1.1.5)
                |               |       |       + scfPsbInfo(1.3.6.1.4.1.211.1.15.4.1.1.6)
                |               |       |       + scfLsbInfo(1.3.6.1.4.1.211.1.15.4.1.1.7)
                |               |       |       + scfBoardInfo(1.3.6.1.4.1.211.1.15.4.1.1.8)
                |               |       |       + scfCpuInfo(1.3.6.1.4.1.211.1.15.4.1.1.9)
                |               |       |       + scfMemoryInfo(1.3.6.1.4.1.211.1.15.4.1.1.10)
                |               |       |       + scfPciBoxInfo(1.3.6.1.4.1.211.1.15.4.1.1.11)
                |               |       |       + scfComponentInfo(1.3.6.1.4.1.211.1.15.4.1.1.12)
                |               |       |       + scfDomainInfo(1.3.6.1.4.1.211.1.15.4.1.1.13)
                |               |       |   -scfMIBTraps  (1.3.6.1.4.1.211.1.15.4.1.2)
                |               |       └scfHwCtrlMIB(1.3.6.1.4.1.211.1.15.4.2)                                  (*)
                |               |           -scfHwCtrlMIBObjects(1.3.6.1.4.1.211.1.15.4.2.1)                     (*)
                |               |               -scfHwCtrlPowerMgmt(1.3.6.1.4.1.211.1.15.4.2.1.1)               (*)
                |               └ sun(1.3.6.1.4.1.42)                                                            (*)
                |                   - sunFire(1.3.6.1.4.1.42.2.70)                                              (*)
                |                       -sunPlatMIB(1.3.6.1.4.1.42.2.70.101)                                    (*)
                |                           -sunPlatMIBObjects(1.3.6.1.4.1.42.2.70.101.1)                       (*)
                |                               -sunPlatMIBPhisicalObjects(1.3.6.1.4.1.42.2.70.101.1.1)         (*)
                |                                   -sunPlatEquipmentTable(1.3.6.1.4.1.42.2.70.101.1.1.1.2)     (*)
                └mgmt(1.3.6.1.2)                                                                                 (*)
                    -mib-2(1.3.6.1.2.1)                                                                          (*)
                        -entityMIB(1.3.6.1.2.1.47)                                                               (*)
                            - entityObjects(1.3.6.1.2.1.47.1)                                                    (*)
                                -entityPhysical(1.3.6.1.2.1.47.1.1)                                              (*)
                                -entityGeneral(1.3.6.1.2.1.47.1.4)                                               (*)
```

*; This MIB information cannot be used because it is only for internal control.

1.2 XSCF Extended MIB

Table 1-1 lists the object identifiers (OID) of the XSCF extended MIB and provides an overview of them.

Table 1-1 OID and overview of the XSCF extended MIB

No	Object identifier					Overview
1	solaris	sparc	xscfSpMIB	scfObjects	scfInfo	Information for XSCF: Master XSCF number, XSCF-LAN information, IP, etc.
2					scfState	Status information for XSCF: system status for XSCF, status for operation panel switches, status for NTP, etc.
3					scfMonitorInfo	Monitor information (Temperature/Voltage/FAN speed) for each component: component board name, module name, monitor measured value, etc.
4					scfSystemInfo	System information in XSCF: host name, serial number, system LED status, mainframe energy consumption, emission volume, intake temperature, etc.
5					scfPPARInfo	Information for Physical partition(PPAR): PPAR ID, CPU count in PPAR, memory capacity, POST/Hypervisor/Oracle Solaris version count, PPAR status, etc.
6					scfPsbInfo	Information for Physical system board(PSB): PSB number, PSB status, Assignment status to PPAR, Incorporation status to PPAR, etc.
7					scfLsbInfo	Information for Logical system board(LSB): PPAR ID that belong to, LSB number, PPAR configuration list, etc.
8					scfBoardInfo	Board information for CPU memory unit lower(CMUL) and higher(CMUU): board number, board Name, board operating status, etc.
9					scfCpuInfo	Information for CPU module unit: board number, part number, CPU type name, CPU frequency, CPU operating status, etc.
10					scfMemoryInfo	Information for memory unit: board number, part number, memory capacity, memory operating status, etc.
11					scfPciBoxInfo	Information for PCI expansion unit and each part included in the PCI expansion unit.
12					scfComponentInfo	Part information for each component (for FRU)
13					scfDomainInfo	Displays domain information: PPAR ID that a logical domain belongs to, logical domain name, logical domain status, etc.
14				scfMIBTraps		Trap information for XSCF

Chapter 2 XSCF Extended MIB Lists

This chapter lists the objects of the XSCF extended MIB.

The items that appear in each of the tables are as follows:

OBJECT-NAME; Shows a MIB object name.
SUMMARY; Shows the summary of MIB object.
OID; Shows an OID of this object.
Specifies as OID.INDEX to get this object.
INDEX; Added to OID to acquire an object.
SYNTAX; Object type. Object types are as follows.

- OBJECT IDENTIFIER; Object identifier type.
- SEQUENCE OF xxxx: Table type.
- Integer32; 4 byte signed integer value. Ranging from -2147483648 to 2147483647
- DisplayString; Printable character. (NVT ASCII character set)
- ScfXXXX; XSCF fixed type.

MAX-ACCESS; Range of set value
ro: read-only
na: not-accessible
afn: accessible-for-notify

Table 2-1 scfInfo(1.3.6.1.4.1.211.1.15.4.1.1.1)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfAgentId	XSCF number on Master side	scfInfo.1	.0	Integer32	ro
scfAgentNumber	XSCF information count (table)	scfInfo.2	.0	Integer32	ro
scfAgentTable	XSCF information (table)	scfInfo.3	-	SEQUENCE OF ScfAgentEntry	na
scfAgentEntry	-	scfAgentTable.1	-	ScfAgentEntry	na
scfAgentIndex	XSCF number	scfAgentEntry.1	.XSCF number (0,1)	ScfIndex	ro
scfXcpVersion	XCP version number	scfAgentEntry.2	.XSCF number (0,1)	DisplayString	ro
scfIpAddressPortNumber	Port number used in SNMP	scfInfo.4	.0	Integer32	ro
scfIpAddressNumber	XSCF-LAN information count (table)	scfInfo.5	.0	Integer32	ro
scfIpAddressTable	XSCF-LAN information (table)	scfInfo.6	-	SEQUENCE OF ScfIpAddressEntry	na
scfIpAddressEntry	-	scfIpAddressTable.1	-	ScfIpAddressEntry	na
scfBBNumber	XSCF-BB number(chassis ID (BB-ID))	scfIpAddressEntry.1	.BB number(0..15)	Integer32	ro
scfIpAddressIndex	XSCF-LAN number	scfIpAddressEntry.2	.XSCF LAN number (0,1)	ScfIndex	ro
scfIpAddress	IP address of XSCF-LAN	scfIpAddressEntry.3	.XSCF-LAN IP address	IpAddress	ro

Table 2-2 scfState(1.3.6.1.4.1.211.1.15.4.1.1.2)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfSystemState	Normal/Error state of system (all chassis)	scfState.1	.0	ScfErrorStatus	ro
scfFirmwareState	Normal/Error state of XSCF	scfState.2	.0	ScfErrorStatus	ro
scfHardwareState	Normal/Error state of system part (all chassis)	scfState.3	.0	ScfErrorStatus	ro
scfModeSwitch	Mode switch information for operation panel	scfState.4	.0	ScfModeSwitchState	ro
scfNTPStatus	Status for NTP	scfState.5	.0	ScfNTPStatusTC	afn

Table 2-3 scfMonitorInfo(1.3.6.1.4.1.211.1.15.4.1.1.3)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfMonitorNumber	Monitor information count (table)	scfMonitorInfo.1	.0	Integer32	ro
scfMonitorTable	Monitor information (table)	scfMonitorInfo.2	-	SEQUENCE OF ScfMonitorEntry	na
scfMonitorEntry	-	scfMonitorTable.1	-	ScfMonitorEntry	na
scfMonitorBoardType	Part board name	scfMonitorEntry.1	.Parts identifier.monitor identity.monitor identity number (*1)	ScfComponentType	ro
scfMonitorBoardId	Part board number	scfMonitorEntry.2	.Parts identifier.monitor identity.monitor identity number (*1)	ScfIndex	ro
scfMonitorModuleType	Part module name	scfMonitorEntry.3	.Parts identifier.monitor identity.monitor identity number (*1)	ScfComponentType	ro
scfMonitorModuleId	Part module number	scfMonitorEntry.4	.Parts identifier.monitor identity.monitor identity number (*1)	ScfIndex	ro
scfMonitorModuleSubType	Part(sub)name	scfMonitorEntry.5	.Parts identifier.monitor identity.monitor identity number (*1)	ScfComponentType	ro
scfMonitorModuleSubId	Part(sub)number	scfMonitorEntry.6	.Parts identifier.monitor identity.monitor identity number (*1)	ScfIndex	ro
scfMonitorType	Monitor identity	scfMonitorEntry.7	.Parts identifier.monitor identity.monitor identity number (*1)	ScfMonitorTypeTC	ro
scfMonitorId	Monitor identity number	scfMonitorEntry.8	.Parts identifier.monitor identity.monitor identity number (*1)	ScfIndex	ro
scfMonitorDescription	Monitor name	scfMonitorEntry.9	.Parts identifier.monitor identity.monitor identity number (*1)	DisplayString	ro
scfMonitorAdditionalInfo	Monitor additional information	scfMonitorEntry.10	.Parts identifier.monitor identity.monitor identity number (*1)	DisplayString	ro
scfMonitorUnits	Unit used for monitor measured value	scfMonitorEntry.11	.Parts identifier.monitor identity.monitor identity number (*1)	DisplayString	ro
scfMonitorStatus	Enable/Disable state for monitor measured value	scfMonitorEntry.12	.Parts identifier.monitor identity.monitor identity number (*1)	ScfValidStatus	ro
scfMonitorValue	Monitor measured value	scfMonitorEntry.13	.Parts identifier.monitor identity.monitor identity number (*1)	Integer32	ro
scfMonitorValueStatus	Normal/Error state for monitor measured result	scfMonitorEntry.14	.Parts identifier.monitor identity.monitor identity number (*1)	ScfErrorStatus	ro

*1; For "Parts identifier" in INDEX, see "4.1 Parts identifier (OID)".

Table 2-4 scfSystemInfo(1.3.6.1.4.1.211.1.15.4.1.1.4)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfSystemName	Host name	scfSystemInfo.1	.0	DisplayString	ro
scfSystemType	System name	scfSystemInfo.2	.0	DisplayString	ro
scfSystemSerialNumber	System serial number	scfSystemInfo.3	.0	DisplayString	ro
scfSystemAdditionalInfo	Additional information	scfSystemInfo.4	.0	DisplayString	ro
scfSystemCpuNumber	Installed CPU count	scfSystemInfo.5	.0	Integer32	ro
scfSystemMemoryCapacity	Total installed memory capacity (GB)	scfSystemInfo.6	.0	Integer32	ro
scfSystemStandbyLED	XSCF STANDBY LED status on operation panel	scfSystemInfo.7	.0	ScfLEDState	ro
scfSystemPowerLED	POWER LED status on operation panel	scfSystemInfo.8	.0	ScfLEDState	ro
scfSystemCheckLED	CHECK LED status on operation panel	scfSystemInfo.9	.0	ScfLEDState	ro
scfSystemActualPowerConsumption	System power consumption	scfSystemInfo.10	-	OBJECT_IDENTIFIER	na
scfSystemActualPowerConsumptionValue	System power consumption value	scfSystemActualPowerConsumption.1	.0	Integer32	ro
scfSystemActualPowerConsumptionUnit	System power consumption unit	scfSystemActualPowerConsumption.2	.0	DisplayString	ro
scfSystemActualPowerMinPollingInterval	System power consumption polling time	scfSystemActualPowerConsumption.3	.0	Integer32	ro
scfSystemAirFlow	System total emission volume	scfSystemInfo.11	-	OBJECT_IDENTIFIER	na
scfSystemExhaustAirFlowValue	System total emission volume value	scfSystemAirFlow.1	.0	Integer32	ro
scfSystemExhaustAirFlowUnit	System total emission volume unit	scfSystemAirFlow.2	.0	DisplayString	ro
scfSystemExhaustAirFlowMinPollingInterval	System total emission volume polling time	scfSystemAirFlow.3	.0	Integer32	ro
scfSystemAmbientTemperature	System intake temperature	scfSystemInfo.12	-	OBJECT_IDENTIFIER	na
scfSystemAmbientTemperatureValue	System intake temperature value	scfSystemAmbientTemperature.1	.0	Integer32	ro
scfSystemAmbientTemperatureUnit	System intake temperature unit	scfSystemAmbientTemperature.2	.0	DisplayString	ro
	System intake temperature polling time	scfSystemAmbientTemperature.3	.0	Integer32	ro
scfSystemPermittedPowerConsumption	Max rated power consumption	scfSystemInfo.14	-	OBJECT_IDENTIFIER	na
scfSystemPermittedPowerConsumptionValue	Max rated power consumption value	scfSystemPermittedPowerConsumption.1	.0	Integer32	ro
scfSystemPermittedPowerConsumptionUnit	Max rated power consumption unit	scfSystemPermittedPowerConsumption.2	.0	DisplayString	ro

Table 2-5 scfPPARInfo(1.3.6.1.4.1.211.1.15.4.1.1.5)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfPPARNumber	PPAR information count (table)	scfPPARInfo.1	.0	Integer32	ro
scfPPARTable	PPAR information (table)	scfPPARInfo.2	-	SEQUENCE OF ScfPPAREntry	na
scfPPAREntry	-	scfPPARTable.1	-	ScfPPAREntry	na
scfPPARId	PPAR-ID	scfPPAREntry.1	.PPAR ID(0..15)	ScfIndex	ro
scfPPARCpuNumber	Installed CPU count in PPAR	scfPPAREntry.2	.PPAR ID(0..15)	Integer32	ro
scfPPARMemoryCapacity	Total memory capacity in PPAR (GB)	scfPPAREntry.3	.PPAR ID(0..15)	Integer32	ro
scfPPARObpVersion	OpenBoot PROM(OBP) version number	scfPPAREntry.4	.PPAR ID(0..15)	DisplayString	ro
scfPPARObpAdditionalInfo	OpenBoot PROM additional information	scfPPAREntry.5	.PPAR ID(0..15)	DisplayString	ro
scfPPARPostVersion	POST version number	scfPPAREntry.6	.PPAR ID(0..15)	DisplayString	ro
scfPPARPostAdditionalInfo	POST additional information	scfPPAREntry.7	.PPAR ID(0..15)	DisplayString	ro
scfPPARHypervisorVersion	Hypervisor version number	scfPPAREntry.8	.PPAR ID(0..15)	DisplayString	ro
scfPPARHypervisorAdditionalInfo	Hypervisor additional information	scfPPAREntry.9	.PPAR ID(0..15)	DisplayString	ro
scfPPAROsMachine	PPAR machine architecture	scfPPAREntry.10	.PPAR ID(0..15)	DisplayString	ro
scfPPARPsbs	PSB information included in PPAR	scfPPAREntry.11	.PPAR ID(0..15)	DisplayString	ro
scfPPARStatus	Operating state for PPAR	scfPPAREntry.12	.PPAR ID(0..15)	ScfPPARStatusTC	ro
scfPPARConfigurationPolicy	Configuration Policy setting value for PPAR configuration	scfPPAREntry.13	.PPAR ID(0..15)	ScfPPARConfigPolicy	ro
scfPPARErrorStatus	Normal/Error state for PPAR	scfPPAREntry.14	.PPAR ID(0..15)	ScfErrorStatus	ro

Table 2-6 scfPsbInfo(1.3.6.1.4.1.211.1.15.4.1.1.6)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfPsbType	For future extension. Currently 0 fixed.	scfPsbInfo.1	.0	Integer32	ro
scfPsbNumber	PSB information count (table)	scfPsbInfo.2	.0	Integer32	ro
scfPsbTable	PSB information (table)	scfPsbInfo.3	-	SEQUENCE OF ScfPsbEntry	na
scfPsbEntry	-	scfPsbTable.1	-	ScfPsbEntry	na
scfPsbId	PSB number	scfPsbEntry.1	.PSB identifier (*1)	ScfPsbIndex	ro
scfPsbErrorStatus	Normal/Error state for PSB	scfPsbEntry.2	.PSB identifier (*1)	ScfErrorStatus	ro
scfPsbPPARId	PPAR-ID to which PSB to be incorporated	scfPsbEntry.3	.PSB identifier (*1)	ScfPPARIdIndex	ro
scfPsbLsbBoardNo	Logical system board(LSB) number used in PPAR	scfPsbEntry.4	.PSB identifier (*1)	Integer32	ro
scfPsbSubStatusPower	Power on state for PSB (Pwr)	scfPsbEntry.5	.PSB identifier (*1)	ScfUsageState	ro
scfPsbSubStatusTest	Initial test state for PSB (Test)	scfPsbEntry.6	.PSB identifier (*1)	ScfTestState	ro
scfPsbSubStatusAssignment	Sate for allocating PSB into PPAR	scfPsbEntry.7	.PSB identifier (*1)	ScfAssignmentState	ro
scfPsbSubStatusConnectivity	Connection state of PSB to PPAR	scfPsbEntry.8	.PSB identifier (*1)	ScfConnectivityState	ro
scfPsbSubStatusConfiguration	State of incorporating PSB into PPAR Oracle Solaris (Conf)	scfPsbEntry.9	.PSB identifier (*1)	ScfConfigurationState	ro
scfPsbSubDRReserveStatus	DR reservation state for PSB	scfPsbEntry.10	.PSB identifier (*1)	ScfDRReserveState	ro

*1; For "PSB identifier" in INDEX, see "4.3 PSB identifier (OID)".

Table 2-7 scfLsbInfo(1.3.6.1.4.1.211.1.15.4.1.1.7)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfLsbType	For future extension. Currently 0 fixed.	scfLsbInfo.1	.0	Integer32	ro
scfLsbNumber	LSB information count (table)	scfLsbInfo.2	.0	Integer32	ro
scfLsbTable	LSB information (table)	scfLsbInfo.3	-	SEQUENCE OF ScfLsbEntry	na
scfLsbEntry	-	scfLsbTable.1	-	ScfLsbEntry	na
scfLsbPPARId	PPAR-ID	scfLsbEntry.1	.PPAR ID(0..15).LSB number(0..15)	ScfIndex	ro
scfLsbId	LSB number	scfLsbEntry.2	.PPAR ID(0..15).LSB number(0..15)	ScfIndex	ro
scfLsbPsbId	PSB number setting value for PPAR configuration list	scfLsbEntry.3	.PPAR ID(0..15).LSB number(0..15)	DisplayString	ro
scfLsbNoMem	no-mem setting value for PPAR configuration list	scfLsbEntry.4	.PPAR ID(0..15).LSB number(0..15)	ScfUsageState	ro
scfLsbNoIo	no-io setting value for PPAR configuration list	scfLsbEntry.5	.PPAR ID(0..15).LSB number(0..15)	ScfUsageState	ro
scfLsbConfigPolicy	configuration-policy setting value for PPAR configuration list	scfLsbEntry.6	.PPAR ID(0..15).LSB number(0..15)	ScfUsageState	ro

Table 2-8 scfBoardInfo(1.3.6.1.4.1.211.1.15.4.1.1.8)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfBoardNumber	Board information count (table)	scfBoardInfo.1	.0	Integer32	ro
scfBoardTable	Board information (table)	scfBoardInfo.2	-	SEQUENCE OF ScfBoardEntry	na
scfBoardEntry	-	scfBoardTable.1	-	ScfBoardEntry	na
scfBoardType	Board identity	scfBoardEntry.1	.Board identifier (*1)	ScfComponentType	ro
scfBoardId	Board number	scfBoardEntry.2	.Board identifier (*1)	ScfIndex	ro
scfBoardName	Board name	scfBoardEntry.3	.Board identifier (*1)	DisplayString	ro
scfBoardAdditionalInfo	Board additional information	scfBoardEntry.4	.Board identifier (*1)	DisplayString	ro
scfBoardState	Board operating state	scfBoardEntry.5	.Board identifier (*1)	ScfStateTC	ro
scfBoardSubType	CMU board identity information	scfBoardEntry.6	.Board identifier (*1)	ScfBoardSubTypeTC	ro

*1; For "Board identifier" in INDEX, see "4.2 Board idenfifier (OID)".

Table 2-9 scfCpuInfo(1.3.6.1.4.1.211.1.15.4.1.1.9)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfCpuNumber	CPU information count (table)	scfCpuInfo.1	.0	Integer32	ro
scfCpuTable	CPU information (table)	scfCpuInfo.2	-	SEQUENCE OF ScfMemoryEntry	na
scfCpuEntry	-	scfCpuTable.1	-	ScfMemoryEntry	na
scfCpuBoardType	Board identity	scfCpuEntry.1	.Parts identifier (*1)	ScfComponentType	ro
scfCpuBoardId	Board number	scfCpuEntry.2	.Parts identifier (*1)	ScfIndex	ro
scfCpuModuleType	Part identity	scfCpuEntry.3	.Parts identifier (*1)	ScfComponentType	ro
scfCpuModuleId	Part number	scfCpuEntry.4	.Parts identifier (*1)	ScfIndex	ro
scfCpuSubType	Part (sub) identity	scfCpuEntry.5	.Parts identifier (*1)	ScfComponentType	ro
scfCpuSubId	Part (sbu) number	scfCpuEntry.6	.Parts identifier (*1)	ScfIndex	ro
scfCpuType	CPU type name	scfCpuEntry.7	.Parts identifier (*1)	DisplayString	ro
scfCpuFrequency	CPU frequency	scfCpuEntry.8	.Parts identifier (*1)	Integer32	ro
scfCpuAdditionalInfo	CPU additional information	scfCpuEntry.9	.Parts identifier (*1)	DisplayString	ro
scfCpuMemoryMode	Memory mirror mode	scfCpuEntry.10	.Parts identifier (*1)	ScfMemoryMirroMode	ro
scfCpuState	CPU operating state	scfCpuEntry.11	.Parts identifier (*1)	ScfStateTC	ro

*1; For "Parts identifier" in INDEX, see "4.1 Parts identifier (OID)".

Table 2-10 scfMemoryInfo(1.3.6.1.4.1.211.1.15.4.1.1.10)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfMemoryNumber	Memory information count (table)	scfMemoryInfo.1	.0	Integer32	ro
scfMemoryTable	Memory information (table)	scfMemoryInfo.2	-	SEQUENCE OF ScfMemoryEntry	na
scfMemoryEntry	-	scfMemoryTable.1	-	ScfMemoryEntry	na
scfMemoryBoardType	Board identity	scfMemoryEntry.1	.Parts identifier (*1)	ScfComponentType	ro
scfMemoryBoardId	Board number	scfMemoryEntry.2	.Parts identifier (*1)	ScfIndex	ro
scfMemoryModuleType	Part identity	scfMemoryEntry.3	.Parts identifier (*1)	ScfComponentType	ro
scfMemoryModuleId	Part number	scfMemoryEntry.4	.Parts identifier (*1)	ScfIndex	ro
scfMemorySubType	Part (sub) identity	scfMemoryEntry.5	.Parts identifier (*1)	ScfComponentType	ro
scfMemorySubId	Part (sbu) number	scfMemoryEntry.6	.Parts identifier (*1)	ScfIndex	ro
scfMemoryName	Memory installed location	scfMemoryEntry.7	.Parts identifier (*1)	DisplayString	ro
scfMemoryCapacity	Memory capacity [GB]	scfMemoryEntry.8	.Parts identifier (*1)	Integer32	ro
scfMemoryAdditionalInfo	Memory additional information	scfMemoryEntry.9	.Parts identifier (*1)	DisplayString	ro
scfMemoryState	Memory operating state	scfMemoryEntry.10	.Parts identifier (*1)	ScfStateTC	ro

*1; For "Parts identifier" in INDEX, see "4.1 Parts identifier (OID)".

Table 2-11 scfPciBoxInfo(1.3.6.1.4.1.211.1.15.4.1.1.11)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfPciBoxNumber	Number of informations for PCI expansion unit	scfPciBoxInfo.1	.0	Integer32	ro
scfPciBoxTable	PCI expansion unit information (table)	scfPciBoxInfo.2	-	SEQUENCE OF ScfPciBoxEntry	na
scfPciBoxEntry	-	scfPciBoxTable.1	-	ScfPciBoxEntry	na
scfPciBoxId	Identity of PCI expansion unit	scfPciBoxEntry.1	.PCI Expansion Unit identifier (*1)	ScfPciBoxIndex	ro
scfPciBoxReadyLED	READY LED status	scfPciBoxEntry.2	.PCI Expansion Unit identifier (*1)	ScfPciBoxLEDState	ro
scfPciBoxCheckLED	CHECK LED status	scfPciBoxEntry.3	.PCI Expansion Unit identifier (*1)	ScfPciBoxLEDState	ro
scfPciBoxPartNumber	Part number	scfPciBoxEntry.4	.PCI Expansion Unit identifier (*1)	DisplayString	ro
scfPciBoxSerialNumber	Serial number	scfPciBoxEntry.5	.PCI Expansion Unit identifier (*1)	DisplayString	ro
scfPciBoxVersion	PCI expansion unit firmware version	scfPciBoxEntry.6	.PCI Expansion Unit identifier (*1)	DisplayString	ro
scfIoBoardNumber	Number of informations for I/O board on PCI expansion unit (table)	scfPciBoxInfo.3	.0	Integer32	ro
scfIoBoardTable	I/O board information (table)	scfPciBoxInfo.4	-	SEQUENCE OF ScfIoBoardEntry	na
scfIoBoardEntry	-	scfIoBoardTable.1	-	ScfIoBoardEntry	na
scfIoBoardPciBoxId	Identity of PCI expansion unit	scfIoBoardEntry.1	.PCI Expansion Unit identifier (*1)	ScfPciBoxIndex	ro
scfIoBoardId	I/O board number	scfIoBoardEntry.2	.PCI Expansion Unit identifier (*1)	ScfIndex	ro
scfIoBoardLinkLED	PCI-Express link connection LED status	scfIoBoardEntry.3	.PCI Expansion Unit identifier (*1)	ScfPciBoxLEDState	ro
scfIoBoardMgmtLED	Management link connection LED status	scfIoBoardEntry.4	.PCI Expansion Unit identifier (*1)	ScfPciBoxLEDState	ro
scfIoBoardPartNumber	Part number	scfIoBoardEntry.5	.PCI Expansion Unit identifier (*1)	DisplayString	ro
scfIoBoardSerialNumber	Serial number	scfIoBoardEntry.6	.PCI Expansion Unit identifier (*1)	DisplayString	ro
scfFanBpNumber	Number of informations for fan back plane on PCI expansion unit (table)	scfPciBoxInfo.5	.0	Integer32	ro
scfFanBpTable	Fan back plane information (table)	scfPciBoxInfo.6	-	SEQUENCE OF scfFanBpEntry	na
scfFanBpEntry	-	scfFanBpTable.1	-	scfFanBpEntry	na
scfFanBpPciBoxId	Identity of PCI expansion unit	scfFanBpEntry.1	.PCI Expansion Unit identifier.FanBp number (0) (*1)	ScfPciBoxIndex	ro
scfFanBpId	Fan back plane number	scfFanBpEntry.2	.PCI Expansion Unit identifier.FanBp number (0) (*1)	ScfIndex	ro
scfFanBpPartNumber	Part number	scfFanBpEntry.3	.PCI Expansion Unit identifier.FanBp number (0) (*1)	DisplayString	ro
scfFanBpSerialNumber	Serial number	scfFanBpEntry.4	.PCI Expansion Unit identifier.FanBp number (0) (*1)	DisplayString	ro

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfFanNumber	Number of informations for fan unit on PCI expansion unit	scfPciBoxInfo.7	.0	Integer32	ro
scfFanTable	Fan unit information (table)	scfPciBoxInfo.8	-	SEQUENCE OF scfFanEntry	na
scfFanEntry	-	scfFanTable.1	-	scfFanCardEntry	na
scfFanPciBoxId	Identity of PCI expansion unit	scfFanEntry.1	.PCI Expansion Unit identifier.FAN number (0..2) (*1)	ScfPciBoxIndex	ro
scfFanId	Fan unit number	scfFanEntry.2	.PCI Expansion Unit identifier.FAN number (0..2) (*1)	ScfIndex	ro
scfFanCheckLED	CHECK LED status	scfFanEntry.3	.PCI Expansion Unit identifier.FAN number (0..2) (*1)	ScfPciBoxLEDState	ro
scfFanLocation	FAN unit installation location	scfFanEntry.4	.PCI Expansion Unit identifier.FAN number (0..2) (*1)	DisplayString	ro
scfLinkCardNumber	Number of informations for PCI card on PCI expansion unit (table)	scfPciBoxInfo.9	.0	Integer32	ro
scfLinkCardTable	PCI card information (table)	scfPciBoxInfo.10	-	SEQUENCE OF ScfLinkCardEntry	na
scfLinkCardEntry	-	scfLinkCardTable.1	-	ScfLinkCardEntry	na
scfLinkCardPciBoxId	Identity of PCI expansion unit	scfLinkCardEntry.1	.PCI Expansion Unit identifier.PCI card number (0..1) (*1)	ScfPciBoxIndex	ro
scfLinkCardId	PCI card number	scfLinkCardEntry.2	.PCI Expansion Unit identifier.PCI card number (0..1) (*1)	ScfIndex	ro
scfLinkCardLocation	PCI card installation location	scfLinkCardEntry.3	.PCI Expansion Unit identifier.PCI card number (0..1) (*1)	DisplayString	ro
scfLinkCardPartNumber	Part number	scfLinkCardEntry.4	.PCI Expansion Unit identifier.PCI card number (0..1) (*1)	DisplayString	ro
scfLinkCardSerialNumber	Serial number	scfLinkCardEntry.5	.PCI Expansion Unit identifier.PCI card number (0..1) (*1)	DisplayString	ro
scfLinkboardNumber	Number of informations for Link board on PCI expansion unit (table)	scfPciBoxInfo.11	.0	Integer32	ro
scfLinkboardTable	Link board information (table)	scfPciBoxInfo.12	-	SEQUENCE OF ScfLinkCardEntry	na
scfLinkboardEntry	-	scfLinkboardTable.1	-	ScfLinkCardEntry	na
scfLinkboardPciBoxId	Identity of PCI expansion unit	scfLinkboardEntry.1	.PCI Expansion Unit identifier.Link board number 0 (*1)	ScfPciBoxIndex	ro
scfLinkboardId	Link board number	scfLinkboardEntry.2	.PCI Expansion Unit identifier.Link board number 0 (*1)	ScfIndex	ro
scfLinkboardLocation	Link board installation location	scfLinkboardEntry.3	.PCI Expansion Unit identifier.Link board number 0 (*1)	DisplayString	ro
scfLinkboardPartNumber	Part number	scfLinkboardEntry.4	.PCI Expansion Unit identifier.Link board number 0 (*1)	DisplayString	ro
scfLinkboardSerialNumber	Serial number	scfLinkboardEntry.5	.PCI Expansion Unit identifier.Link board number 0 (*1)	DisplayString	ro

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfPsuNumber	Number of informations for PSU on PCI expansion unit (table)	scfPciBoxInfo.13	.0	Integer32	ro
scfPsuTable	PSU information (table)	scfPciBoxInfo.14	-	SEQUENCE OF ScfPowerSupplyFanEntry	na
scfPsuEntry	-	scfPsuTable.1	-	ScfPowerSupplyFanEntry	na
scfPsuPciBoxId	Identity of PCI expansion unit	scfPsuEntry.1	.PCI Expansion Unit identifier.Tray number (0).Number (0..1) (*1)	ScfPciBoxIndex	ro
scfPsuId	PSU number	scfPsuEntry.2	.PCI Expansion Unit identifier.Tray number (0).Number (0..1) (*1)	ScfIndex	ro
scfPsuLocation	PSU installation location	scfPsuEntry.3	.PCI Expansion Unit identifier.Tray number (0).Number (0..1) (*1)	DisplayString	ro
scfPsuPartNumber	Part number	scfPsuEntry.4	.PCI Expansion Unit identifier.Tray number (0).Number (0..1) (*1)	DisplayString	ro
scfPsuSerialNumber	Serial number	scfPsuEntry.5	.PCI Expansion Unit identifier.Tray number (0).Number (0..1) (*1)	DisplayString	ro
scfPciBoxSensorNumber	Number of informations for Sensor on PCI expansion unit (table)	scfPciBoxInfo.15	.0	Integer32	ro
scfPciBoxSensorTable	Sensor information (table)	scfPciBoxInfo.16	-	SEQUENCE OF ScfPciBoxSensorEntry	na
scfPciBoxSensorEntry	-	scfPciBoxSensorTable.1	-	ScfPciBoxSensorEntry	na
scfPciBoxSensorPciBoxId	Identity of PCI expansion unit	scfPciBoxSensorEntry.1	.Sensor identifier (*2)	ScfPciBoxIndex	ro
scfPciBoxSensorPciBoxSubType	Part (sub) identity	scfPciBoxSensorEntry.2	.Sensor identifier (*2)	ScfPciBoxComponentType	ro
scfPciBoxSensorPciBoxSubId	Part (sub) number	scfPciBoxSensorEntry.3	.Sensor identifier (*2)	ScfIndex	ro
scfPciBoxSensorId	Sensor - number	scfPciBoxSensorEntry.4	.Sensor identifier (*2)	ScfIndex	ro
scfPciBoxSensorDescription	Sensor - name	scfPciBoxSensorEntry.5	.Sensor identifier (*2)	DisplayString	ro
scfPciBoxSensorUnits	Sensor - unit	scfPciBoxSensorEntry.6	.Sensor identifier (*2)	DisplayString	ro
scfPciBoxSensorValue	Sensor - value	scfPciBoxSensorEntry.7	.Sensor identifier (*2)	Integer32	ro
scfPciBoxSensorMinAlarm	Sensor - threshold (Min)	scfPciBoxSensorEntry.8	.Sensor identifier (*2)	Integer32	ro
scfPciBoxSensorMaxAlarm	Sensor - threshold (Max)	scfPciBoxSensorEntry.9	.Sensor identifier (*2)	Integer32	ro

*1; For "PCI expansion unit identifier" in INDEX, see "4.4 PCI expansion unit identifier (OID)".

*2; For "Sensor identifier" in INDEX, see "4.5 Sensor identifier on PCI expansion unit (OID)".

Table 2-12 scfComponentInfo(1.3.6.1.4.1.211.1.15.4.1.1.12)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfComponentNumber	Number of components (table)	scfComponentInfo.1	.0	Integer32	ro
scfComponentTable	Component information (table)	scfComponentInfo.2	-	SEQUENCE OF ScfComponentEntry	na
scfComponentEntry	-	scfComponentTable.1	-	ScfComponentEntry	na
scfComponentBoardType	Board identity	scfComponentEntry.1	.Parts identifier (*1)	ScfComponentType	ro
scfComponentBoardId	Board number	scfComponentEntry.2	.Parts identifier (*1)	ScfIndex	ro
scfComponentModuleType	Part identity	scfComponentEntry.3	.Parts identifier (*1)	ScfComponentType	ro
scfComponentModuleId	Part number	scfComponentEntry.4	.Parts identifier (*1)	ScfIndex	ro
scfComponentSubType	Part (sub) identity	scfComponentEntry.5	.Parts identifier (*1)	ScfComponentType	ro
scfComponentSubId	Part (sub) number	scfComponentEntry.6	.Parts identifier (*1)	ScfIndex	ro
scfComponentAdditionalInfo	Part additional information	scfComponentEntry.7	.Parts identifier (*1)	DisplayString	ro
scfComponentPartNumber	Part number	scfComponentEntry.8	.Parts identifier (*1)	DisplayString	ro
scfComponentSerialNumber	Part serial number	scfComponentEntry.9	.Parts identifier (*1)	DisplayString	ro
scfComponentProductName	Part name	scfComponentEntry.10	.Parts identifier (*1)	DisplayString	ro
scfComponentManufacturer	Part manufacturer	scfComponentEntry.11	.Parts identifier (*1)	DisplayString	ro
scfComponentManufactureDate	Part manufacture date	scfComponentEntry.12	.Parts identifier (*1)	DisplayString	ro
scfComponentErrorStatus	Normal/Error state for part	scfComponentEntry.13	.Parts identifier (*1)	ScfErrorStatus	ro

*1; For "Parts identifier" in INDEX, see "4.1 Parts identifier (OID)".

Table 2-13 scfDomainInfo(1.3.6.1.4.1.211.1.15.4.1.1.13)

OBJECT-NAME	SUMMARY	OID	INDEX	SYNTAX	MAX-ACCESS
scfDomainNumber	Logical Domain information count (table)	scfDomainInfo.1	.0	Integer32	ro
scfDomainTable	Logical Domain information (table)	scfDomainInfo.2	-	SEQUENCE OF ScfDomainEntry	na
scfDomainEntry	-	scfDomainTable.1	-	ScfDomainEntry	na
scfDomainPparId	PPAR ID to which Logical Domain belongs	scfDomainEntry.1	.Domain identifier	ScfIndex	ro
scfDomainName	Logical Domain Name	scfDomainEntry.2	.Domain identifier	DisplayString	ro
scfDomainStatus	Operating state for Logical Domain	scfDomainEntry.3	.Domain identifier Domain identifier : (In case of control domain) .x.0 (In case of guest domain) .x.name x = PPAR-ID(0..15) name = a ASCII-coded numerical string transformed from the domain name.	DisplayString *The string to be stored: Status strings displayed by executing the showdomainstatus command - Host stopped - Solaris booting - Solaris running - Solaris suspended - Solaris halting - Solaris powering down - Solaris rebooting - Solaris panicking - Solaris debugging - OpenBoot initializing - OpenBoot Running - OpenBoot Primary Boot Loader - OpenBoot Running OS Boot - OS Started. No state support - OpenBoot Running Host Halted - OpenBoot Exited - OpenBoot Host Received Break - OpenBoot Failed	ro

Chapter 3 XSCF Extended MIB Setting Value

This chapter lists the setting values of the XSCF extended MIB.

Table 3-1 has the following items:

TEXTUAL-CONVENTION;	Newly defined object type for XSCF
SUMMARY;	Summary of object type
SYNTAX;	Object type
VALUE;	Range of setting value

Table 3-1 Setting Value of XSCF Extended MIB

TEXTUAL-CONVENTION	SUMMARY	SYNTAX	VALUE			
ScfMonitorTypeTC	Monitor type	INTEGER	temperature(1) voltage(2) fanRotational(3) humidity(4) unknown(255)			
ScfComponentType	Type of component consisting of a chassis	INTEGER	bb(1) cmul(2) cpu(3) mem(4) fpga(5) xscf(6) sw(7) glan(8) sas(9) sasexp(10) brg(11) usb(12) lcu(13) cmuu(14) xbuq(20) xbq(21) xbcbl(22) thuq(23)	psubpuq(30) hddbpq(31) opnlq(32) fanuq(33) psuq(34) hdd(35) scfcbl(36) scfdual(37) pcicas(38) pcicdq(39) linkcdq(40) xbbx(60) xbux(70) xbx(71) xscfu(80) mpu(81) memr(82) xbbp(90)	opnlx(92) fanux(93) psux(94) xscfif(95) mbu(100) pcir(101) ddc(102) fans(103) psus(104) psubps(105) opnls(106) hddbps(107) pcicds(108) linkcds(109) pcibox(120) pictray(121) iob(122) fan(123)	fanbp(124) psubp(125) pcics(126) pcicd(127) psua(128) lnkb(129) lnkc(130) mgcbl(131) lnkopcbl(132) lnkcpcbl(133) pwrcbl(134) bbctrlcable(135) bbdualcable(136) xbboxctrlcable(137) xbboxdualcable(138) enviroment(200) firm(201) ppar(202) psb(203) remotestorage(204) unspecified(253) notApplicable(254) unknown(255)
ScfValidStatus	Enum to enable or disable objects	INTEGER	invalid(1) valid(2)			
ScfLEDState	Status of LED that shows the SPARC M10 system, or LED for component	INTEGER	off(1) on(2) blinking(3)			
ScfModeSwitchState	State of the mode switch on the operation panel of SPARC M10 system	INTEGER	locked(1) service(2)			

TEXTUAL-CONVENTION	SUMMARY	SYNTAX	VALUE	
ScfStateTC	State of a component or PSB	INTEGER	unmounted(1) stop(2) init(3) notConfigured(4) idle(5)	run(6) deconfigured(7) change(254) unknown(255)
ScfErrorStatus	Error state	INTEGER	normal(1) degraded(2) faulted(3)	Deconfigured(4) Maintenance(5) unknown(255)
ScfPPARStatusTC	PPAR status	INTEGER	powerOff(1) panic(2) shutdown(3) initialize(4) boot(5) running(6) prom(7) initializeComplete(8) hvAbort(9) change(254) unknown(255)	
ScfPPARConfigPolicy	Enum for configuration policy of PPAR Configuration List (PCL)	INTEGER	fru(1) psb(2) system(3)	
ScfPciBoxLEDState	Status of LED for PCI expansion unit	INTEGER	off(1) standbyBlink(2) blinkSlow(3) blinkFast(4)	feedbackFlash(5) on(6) unknown(255)
ScfPciBoxComponentType	Component type on PCI expansion unit	INTEGER	pcibox(1) ioboard(2) fan(3) fanbp(4)	lnkcd(5) lnkbd(6) psu(7) unknown(255)
ScfBoardSubTypeTC	Board subtype	INTEGER	typeA(1) typeB(2) typeC(3) type1(4) type2(5)	notApplicable(254) unknown(255)

TEXTUAL-CONVENTION	SUMMARY	SYNTAX	VALUE	
ScfTrapEventTypeTC	Trap event subtype	INTEGER	codProcViolation(1) codMemViolation(2) codProcSolve(3) codMemSolve(4) codCtrlDomainStopped(5) codAllDomainStopped(6) add(10) remove(11) change(12) tempInletLevel1(20) tempInletLevel2(21) tempInletLevel3(22) tempInletLevel4(23) tempRecover(30) tempStopFanControl(31) InterimPermitEnable(40) InterimPermitDisable(41) InterimPermitExpired(42) InterimPermitDueToExpire(43) InterimPermitDueToExpireIn1Day(44) InterimPermitDueToExpireInLessThan1Day(45) acRecover(50) acFail(51)	drAddBoardConfigure(70) drAddBoardAssign(71) drAddboardComplete(72) drDeleteBoardDisconnect(73) drDeleteBoardUnassign(74) drDeleteBoardReset(75) drDeleteBoardComplete(76) drWaitingState(81) drAddBoardFail(82) drDeleteBoardFail(83) drHvAbort(84) dclConfigPolicySetting(90) dclNo-IoSetting(91) dclNo-MemSetting(92) dclFloatingBoardSetting(93) dclLSBSetting(94) psbConfMemoryMirrorValid(100) psbConfMemoryMirrorInvalid(101) unknown(255)
ScfTrapStatusEventTypeTC	Causes of the status trap event to be raised	INTEGER	alarm(1) warning(2) notice(3) information(4) factory(5) other(6)	
ScfPPARStatusAlarmType	Causes of the PPAR status alarm to be raised	INTEGER	other(1) status(2) panic(3)	
ScfTrapPciBoxTempEventTypeTC	Causes of the I/O Board Temperature to be raised	INTEGER	other(1) overTemp(2) recover(3)	
ScfPciBoxLEDType	LED type of PCI expansion unit	INTEGER	unknown(0) locate(1) active(2) (*1) powerDC(3) (*1) powerAC(4) (*1) (*1) is not to be notified of Trap for PCI expansion unit control	rtr(5)(*1) overTemp(6)(*1) mgmt(7) data(8)
ScfTrapModeSwitchEventTypeTC	Causes of the trap event on mode switch of operation panel to be raised	INTEGER	other(1) powerShort(2) powerLong(3) modeToLocked(4) modeToService(5)	

TEXTUAL-CONVENTION	SUMMARY	SYNTAX	VALUE
ScfIndex	Integer	INTEGER	Integer32 (0..2147483647)
ScfPciBoxIndex	Unique String to show a chassis for PCI expansion unit	INTEGER	OCTET STRING (SIZE(1..6))
ScfPSBIndex	Unique string to show PSB Shown in form of xx-y (xx:BB number (an integral number from 00 to 15), y:PSB number (0 fixed)	INTEGER	OCTET STRING (SIZE(4))
ScfScfPPARIdIndex	Unique string showing LSB ID of PSB allocated PPAR is displayed with integer value from 0 to 15. Note that if PSB dose not belong to any PPAR and being in the system board pool status, "SP" will be displayed or if PSB belongs to the PPAR that has no user rights, "Other" will be displayed.	INTEGER	PPAR ID(0..15) SP(253) OTHER(254)
ScfDRReserveState	Shows the status of DR reservation for PSB	INTEGER	nonReserved(1) Reserved(2)
ScfUsageState	Status of setting, power supply, etc.	INTEGER	off(1) on(2)
ScfTestState	Test state of PSB	INTEGER	unmounted(1) unknown(2) testing(3) passed(4) failed(5)
ScfAssignmentState	Assignment state of PSB	INTEGER	unavailable(1) available(2) assigned(3)
ScfConnectivityState	Connectivity State of PSB	INTEGER	disconnected(1) connected(2)
ScfConfigurationState	Configuration state of PSB	INTEGER	unconfigured(1) configured(2)
ScfMemoryMirrorMode	Memory mirror mode	INTEGER	nonemirrormode(0) mirrormode(1)
ScfNTPStatusTC	Status for NTP	INTEGER	false(2)

Chapter 4 Format of Identifier (OID)

This chapter describes OID information for acquiring the objects of the XSCF extended MIB.

4.1 Parts Identifier (OID)

Table 4-1 lists OIDs that serve as an index for parts information.
Parts identifier (OID) is used for a object table index and the OID depends on the model/part configuration.
The formats of the parts identifier (OID) are as follows:
Parts identifier (OID): board identity.board number.part identity.part number.part(sub)identity.part(sub)number - Set 0 (zero) when no number.

Table 4-1 OIDs that serve as an index for parts information

Parts identifier (OID)	FRU (Part name)	Remarks	SPARC M10-1	SPARC M10-4 / M10-4S none XBBox	SPARC M10-4S with XBBox	SPARC M12-1	SPARC M12-2/ M12-2S none XBBX	SPARC M12-2S with XBBOX
.1.x.254.0.254.0	/BB#x	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.2.0.254.0	/BB#x/CMUL	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.2.0.3.0	/BB#x/CMUL/CPU#y	x=0..15,y=0..1	-	Yes	Yes	-	Yes	Yes
.1.x.2.0.4.0	/BB#x/CMUL/MEM#00A	x=0..15	-	Yes	Yes	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.2.0.4.7	/BB#x/CMUL/MEM#07A	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.2.0.4.8	/BB#x/CMUL/MEM#10A	x=0..15	-	Yes	Yes	-	-	-
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.2.0.4.15	/BB#x/CMUL/MEM#17A	x=0..15	-	Yes	Yes	-	-	-
.1.x.2.0.4.16	/BB#x/CMUL/MEM#00B	x=0..15	-	Yes	Yes	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.2.0.4.23	/BB#x/CMUL/MEM#07B	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.2.0.4.24	/BB#x/CMUL/MEM#10B	x=0..15	-	Yes	Yes	-	-	-
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.2.0.4.31	/BB#x/CMUL/MEM#17B	x=0..15	-	Yes	Yes	-	-	-
.1.x.2.0.4.32	/BB#x/CMUL/MEM#00C	x=0..15	-	-	-	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.2.0.4.39	/BB#x/CMUL/MEM#07C	x=0..15	-	-	-	-	Yes	Yes
.1.x.2.0.7.y	/BB#x/CMUL/PCISW#y	x=0..15, y=0..3	-	Yes	Yes	-	Yes	Yes
.1.x.2.0.8.y	/BB#x/CMUL/GIGALAN#y	x=0..15,y=0..1	-	-	-	-	Yes	Yes
.1.x.2.0.9.0	/BB#x/CMUL/SAS#0	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.2.0.9.y	/BB#x/CMUL/SAS#7	x=0..15,y=0..1	-	-	-	-	Yes	Yes
.1.x.2.0.10.y	/BB#x/CMUL/SASEXP	x=0..15	-	-	-	-	Yes	Yes
.1.x.14.0.254.0	/BB#x/CMUU	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.14.0.3.y	/BB#x/CMUU/CPU#y	x=0..15,y=0..1	-	Yes	Yes	-	Yes	Yes
.1.x.14.0.4.0	/BB#x/CMUU/MEM#20A	x=0..15	-	Yes	Yes	-	Yes	Yes

Parts identifier (OID)	FRU (Part name)	Remarks	SPARC M10-1	SPARC M10-4 / M10-4S none XBBox	SPARC M10-4S with XBBox	SPARC M12-1	SPARC M12-2/ M12-2S none XBBX	SPARC M12-2S with XBBOX
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.14.0.4.7	/BB#x/CMUU/MEM#27A	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.14.0.4.8	/BB#x/CMUU/MEM#30A	x=0..15	-	Yes	Yes	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.14.0.4.15	/BB#x/CMUU/MEM#37A	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.14.0.4.16	/BB#x/CMUU/MEM#20B	x=0..15	-	Yes	Yes	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.14.0.4.23	/BB#x/CMUU/MEM#27B	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.14.0.4.24	/BB#x/CMUU/MEM#30B	x=0..15	-	Yes	Yes	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.14.0.4.31	/BB#x/CMUU/MEM#37B	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.2.0.4.32	/BB#x/CMUU/MEM#00A	x=0..15	-	-	-	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.2.0.4.39	/BB#x/CMUU/MEM#07A	x=0..15	-	-	-	-	Yes	Yes
.1.x.2.0.4.40	/BB#x/CMUU/MEM#00B	x=0..15	-	-	-	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.2.0.4.47	/BB#x/CMUU/MEM#07B	x=0..15	-	-	-	-	Yes	Yes
.1.x.2.0.4.48	/BB#x/CMUU/MEM#00C	x=0..15	-	-	-	-	Yes	Yes
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
.1.x.2.0.4.55	/BB#x/CMUU/MEM#07C	x=0..15	-	-	-	-	Yes	Yes
.1.x.6.0.254.0	/BB#x/XSCF	x=0..15	-	Yes	Yes	-	-	-
.1.x.80.0.254.0	/BB#x/XSCFU	x=0..15	-	-	-	-	Yes	Yes
.1.x.20.y.254.0	/BB#x/XBU#y	x=0..15, y=0..2	-	Yes	Yes	-	Yes	Yes
.1.x.23.y.254.0	/BB#x/THU#y	x=0..15, y=0..2	-	Yes	Yes	-	Yes	Yes
.1.x.30.0.254.0	/BB#x/PSUBP	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.31.0.254.0	/BB#x/HDDBP	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.32.0.254.0	/BB#x/OPNL	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.33.y.254.0	/BB#x/FANU#y	x=0..15, y=0..4	-	Yes	Yes	-	Yes	Yes
.1.x.34.y.254.0	/BB#x/PSU#y	x=0..15, y=0..1	-	Yes	Yes	-	Yes	Yes
.1.x.35.y.254.0	/BB#x/HDD#y	x=0..15, y=0..7	-	Yes	Yes	-	Yes	Yes
.1.x.36.y.254.0	/BB#x/SCF_CBL#y	x=0..15, y=0..2	-	Yes	Yes	-	Yes	Yes
.1.x.37.0.254.0	/BB#x/SCF_DUAL	x=0..15	-	Yes	Yes	-	Yes	Yes
.1.x.126.y.254.0	/BB#x/PCICS#y	x=0..15, y=0..10	-	Yes	Yes	-	Yes	Yes
.1.x.39.y.254.0	/BB#x/PCICD#y	x=0..15, y=0..10	-	Yes	Yes	-	Yes	Yes
.1.x.40.y.254.0	/BB#x/LINKCD#y	x=0..15, y=0..10	-	Yes	Yes	-	Yes	Yes

Parts identifier (OID)	FRU (Part name)	Remarks	SPARC M10-1	SPARC M10-4 / M10-4S none XBBox	SPARC M10-4S with XBBox	SPARC M12-1	SPARC M12-2/ M12-2S none XBBX	SPARC M12-2S with XBBOX
.60.x.254.0.254.0	/XBBOX#x	x=0..3	-	-	Yes	-	-	Yes
.60.x.70.y.254.0	/XBBOX#x/XBU#y	x=0..3, y=0..2	-	-	Yes	-	-	Yes
.60.x.70.y.71.z	/XBBOX#x/XBU#y/XB#z	x=0..3, y=0..2, z=0..1	-	-	Yes	-	-	Yes
.60.x.80.0.254.0	/XBBOX#x/XSCFU	x=0..3	-	-	Yes	-	-	Yes
.60.x.90.0.254.0	/XBBOX#x/XBBP	x=0..3	-	-	Yes	-	-	Yes
.60.x.92.0.254.0	/XBBOX#x/OPNL	x=0..3	-	-	Yes	-	-	Yes
.60.x.93.y.254.0	/XBBOX#x/FANU#y	x=0..3, y=0..3	-	-	Yes	-	-	Yes
.60.x.94.y.254.0	/XBBOX#x/PSU#y	x=0..3, y=0..3	-	-	Yes	-	-	Yes
.60.x.95.0.254.0	/XBBOX#x/XSCFIF	x=0..3	-	-	Yes	-	-	Yes
.100.0.254.0.254.0	/MBU		Yes	-	-	Yes	-	-
.100.0.4.0.254.0	/MBU/MEM#00A		Yes	-	-	Yes	-	-
•	•		•	•	•	•	•	•
•	•		•	•	•	•	•	•
.100.0.4.3.254.0	/MBU/MEM#03A		Yes	-	-	Yes	-	-
.100.0.4.4.254.0	/MBU/MEM#10A		Yes	-	-	Yes	-	-
•	•		•	•	•	•	•	•
•	•		•	•	•	•	•	•
.100.0.4.7.254.0	/MBU/MEM#13A		Yes	-	-	Yes	-	-
.100.0.4.8.254.0	/MBU/MEM#00B		Yes	-	-	Yes	-	-
•	•		•	•	•	•	•	•
•	•		•	•	•	•	•	•
.100.0.4.11.254.0	/MBU/MEM#03B		Yes	-	-	Yes	-	-
.100.0.4.12.254.0	/MBU/MEM#10B		Yes	-	-	Yes	-	-
•	•		•	•	•	•	•	•
•	•		•	•	•	•	•	•
.100.0.4.15.254.0	/MBU/MEM#13B		Yes	-	-	Yes	-	-
.100.0.3.0.254.0	/MBU/CPU		Yes	-	-	Yes	-	-
.100.0.6.0.254.0	/MBU/XSCF		Yes	-	-	Yes	-	-
.100.0.101.x.254.0	/MBU/PCIR#x	x=0..2	Yes	-	-	Yes	-	-
.100.0.108.x.254.0	/MBU/PCICD#x	x=0..2	Yes	-	-	Yes	-	-
.100.0.109.x.254.0	/MBU/LINKCD#x	x=0..1	Yes	-	-	Yes	-	-
.100.0.7.x.254.0	/MBU/PCISW#x	x=0..1	Yes	-	-	Yes	-	-
.100.0.8.x.254.0	/MBU/GIGALAN#x	x=0..1	Yes	−	−	Yes	-	-
.100.0.9.0.254.0	/MBU/SAS		Yes	-	-	Yes	-	-
.103.x.254.0.254.0	/FAN#x	x=0..6	Yes	-	-	Yes	-	-
.104.x.254.0.254.0	/PSU#x	x=0..1	Yes	-	-	Yes	-	-
.105.0.254.0.254.0	/PSUBP		Yes	-	-	Yes	-	-
.106.0.254.0.254.0	/OPNL		Yes	-	-	Yes	-	-

Parts identifier (OID)	FRU (Part name)	Remarks	SPARC M10-1	SPARC M10-4 / M10-4S none XBBox	SPARC M10-4S with XBBox	SPARC M12-1	SPARC M12-2/ M12-2S none XBBX	SPARC M12-2S with XBBOX
.35.x.254.0.254.0	/HDD#x	x=0..7	Yes	-	-	Yes	-	-
.107.0.254.0.254.0	/HDDBP		Yes	-	-	Yes	-	-
.1.x.126.y.122.0	/BB#x/PCICS#y/IOB	x=0..15,y=0..10	-	Yes	Yes	-	Yes	Yes
.1.x.126.y.123.z	/BB#x/PCICS#y/FAN#z	x=0..15,y=0..10,z=0..1	-	Yes	Yes	-	Yes	Yes
.1.x.126.y.124.0	/BB#x/PCICS#y/FANBP	x=0..15,y=0..10	-	Yes	Yes	-	Yes	Yes
.1.x.126.y.127.z	/BB#x/PCICS#y/PCI#z	x=0..15,y=0..10,z=0..10	-	Yes	Yes	-	Yes	Yes
.1.x.126.y.128.z	/BB#x/PCICS#y/PSU#z	x=0..15,y=0..10,z=0..1	-	Yes	Yes	-	Yes	Yes
.1.x.126.y.129.0	/BB#x/PCICS#y/LINKB	x=0..15,y=0..10	-	Yes	Yes	-	Yes	Yes
.1.x.126.y.132.z	/BB#x/PCICS#y/LINKCBL#z	x=0..15,y=0..10,z=0..1	-	Yes	Yes	-	Yes	Yes
.1.x.126.y.131.0	/BB#x/PCICS#y/MGCBL	x=0..15,y=0..10	-	Yes	Yes	-	Yes	Yes
.100.0.101.x.122.0	/MBU/PCIR#x/IOB	x=0..2	Yes	-	-	Yes	-	-
.100.0.101.x.123.y	/MBU/PCIR#x/FAN#y	x=0..2,y=0..1	Yes	-	-	Yes	-	-
.100.0.101.x.124.0	/MBU/PCIR#x/FANBP	x=0..2	Yes	-	-	Yes	-	-
.100.0.101.x.127.y	/MBU/PCIR#x/PCI#y	x=0..2,y=0..10	Yes	-	-	Yes	-	-
.100.0.101.x.128.y	/MBU/PCIR#x/PSU#y	x=0..2,y=0..1	Yes	-	-	Yes	-	-
.100.0.101.x.129.0	/MBU/PCIR#x/LINKB	x=0..2	Yes	-	-	Yes	-	-
.100.0.101.x.132.y	/MBU/PCIR#x/LINKCBL#y	x=0..2,y=0..1	Yes	-	-	Yes	-	-
.100.0.101.x.131.0	/MBU/PCIR#x/MGCBL	x=0..2	Yes	-	-	Yes	-	-
.202.x.254.0.254.0	/PPAR#x	x=0..15	Yes	Yes	Yes	Yes	Yes	Yes
.203.x.254.0.254.0	/PSB#x	x=0..15	-	Yes	Yes	-	Yes	Yes
.204.0.254.0.254.0	/REMOTE_STORAGE	If the XSCF extended MIB definition file is installed, the character string "remotestorage" replaces the OID (204).	Yes	-	-	Yes	-	-
.1.x.204.0.254.0	/BB#x/REMOTE_STORAGE	x=0..15 If the XSCF extended MIB definition file is installed, the character string "remotestorage" replaces the OID (204).	-	Yes	Yes	-	Yes	Yes
.200.0.254.0.254.0	/ENVIRONMENT	This OID is used with Trap notification for an "abnormal (high or low) intake temperature" event.	Yes	Yes	Yes	Yes	Yes	Yes
.201.0.254.0.254.0	/FIRMWARE	This OID is used with Trap notification for a "firmware update failure", "abnormal PCIBOX firmware", or "abnormal LINKCARD firmware" event.	Yes	Yes	Yes	Yes	Yes	Yes
.253.0.254.0.254.0	/UNSPECIFIED	This OID is used with Trap notification for an event in which notification is required but the failure location cannot be identified.	Yes	Yes	Yes	Yes	Yes	Yes

4.2 Board Idenfifier (OID)

Table 4-2 lists OIDs that serve as an index for board information.
Board identifier (OID) is used for a object table index and the OID depends on the model. The formats of board identifier (OID) are as follows:
.Board identity.Board number

Table 4-2 OIDs that serve as an index for board information

Board identifier (OID)	FRU (Part name)	Remarks	SPARC M10-1	SPARC M10-4 / M10-4S none XBBox	SPARC M10-4S with XBBox	SPARC M12-1	SPARC M12-2/ M12-2S none XBBX	SPARC M12-2S with XBBOX
.2.n	/BB#x/CMUL	x=0..15	-	Yes	Yes	-	Yes	Yes
.14.n	/BB#x/CMUU	x=0..15	-	Yes	Yes	-	Yes	Yes
.100.n	/BB#x/MBU	x=0	Yes	-	-	Yes	-	-

4.3 PSB Identifier (OID)

This section describes OIDs that serve as an index for PSB number information.

The PSB identifier (OID) is used for a object table index
The format of PSB number is as follows:
PSB number; xx-y (xx: BB number (integer from 00 to 15), y:0 fixed)

The PSB identifier (OID) consists of a BB number including two characters, one hyphen character,
and one zero character converted into ASCII code.
The format of PSB identifier (OID) is as follows:
.ASCII code (first character).ASCII code (second character).ASCII code (third character).ASCII code (forth character)
First character; ASCII code conversion value of the ten's digit of BB number, '0' or '1'.
Second character; ASCII code conversion value of the one's digit of BB number, from '0' to '9'.
Third character; '-' (hyphen)
Forth character; '0' Fixation.
For example, if PSB number is "01-0" then the OID will be ".48.49.45.48"

4.4 PCI Expansion Unit Identifier (OID)

This section describes OIDs that serve as an index for PCI expansion unit information.
The PCI expansion unit identifier (OID) is used as an object table index
The identifier of PCI expansion unit is a ASCII-coded value transformed from a serial number of up to ten bytes (decimal).

4.5 Sensor Identifier on PCI Expansion Unit (OID)

Table 4-3 lists OIDs that serve as an index for PCI expansion unit sensor information.
The sensor identifier on PCI expansion unit (OID) is used for a object table index.
The formats of the sensor idenfifier of PCI expansion unit are as follows:

.PCI Expansion Unit identifier.target part to be installed.target part number to be installed.PCI Expansion Unit sensor number
Note - For the target part number to be installed, use ScfPciBoxComponentType

Table 4-3 OIDs that serve as an index for PCI expansion unit sensor information

Sensor identifier on PCI expansion unit (OID)	Parts name (showhardconf command view)	Remarks	SPARC M10-1	SPARC M10-4 / M10-4S none XBBox	SPARC M10-4S with XBBox	SPARC M12-1	SPARC M12-2/ M12-2S none XBBX	SPARC M12-2S with XBBOX
.x.x.x.x.x.x.x.x.x.1.n.m	PCIBOX#cccc	.x.x.x.x.x.x.x.x.x.x : an ASCII-coded numerical string (decimal) converted from each character of a serial number: .n : parts number(= 0 fixed) m : sensor number(=0,1) cccc = the last four digits of serial number of PCI expansion unit (character string) * Referable only when the LinkCard is insterted.	Yes	Yes	Yes	Yes	Yes	Yes
.x.x.x.x.x.x.x.x.x.2.n.m	PCIBOX#cccc/IOB	.x.x.x.x.x.x.x.x.x.x : a ASCII-coded numerical string (decimal) transformed from each character of a serial number: .n : parts number(= 0 fixed) m : sensor number(=0..10) cccc = the last four digits of serial number of PCI expansion unit (character string) * Referable only when the LinkCard is insterted.	Yes	Yes	Yes	Yes	Yes	Yes
.x.x.x.x.x.x.x.x.x.3.n.m	PCIBOX#cccc/FAN#n	.x.x.x.x.x.x.x.x.x.x : a ASCII-coded numerical string (decimal) transformed from each character of a serial number: .n : parts number(=0..2) m : sensor number(= 0 fixed) cccc = the last four digits of serial number of PCI expansion unit (character string) * Referable only when the LinkCard is insterted.	Yes	Yes	Yes	Yes	Yes	Yes
.x.x.x.x.x.x.x.x.x.7.n.m	PCIBOX#cccc/PSU#n	.x.x.x.x.x.x.x.x.x.x : a ASCII-coded numerical string (decimal) transformed from each character of a serial number: .n : parts number(=0,1) m : sensor number(= 0 fixed) cccc = the last four digits of serial number of PCI expansion unit (character string) * Referable only when the LinkCard is insterted.	Yes	Yes	Yes	Yes	Yes	Yes

4.6 Guest Identifier (OID)

This section describes OIDs that serve as an index for guest domain name information.
The guest identifier (OID) is used as an object table index .
A guest identifier (OID) is a ASCII-coded value transformed from GuestDomainName of up to 256 bytes (decimal).
.Guest name
The display of the 256th character and all following characters will be omitted.

Chapter 5 XSCF Trap Type Lists

This chapter lists the trap types reported by the XSCF SNMP agent function.

Table 5-1 has the following items:

NOTIFICATION-TYPE;	Definition of trap type
SUMMARY;	Summary of trap type
OBJECTS;	Definition of object
Value;	Range of setting value
Notes;	Notes

Table 5-1 MIB Notifications

NOTIFICATION-TYPE	SUMMARY	OBJECTS	Value	Notes
scfComponentStatusEvent 1.3.6.1.4.1.211.1.15.4.1.2.0.1	Error event for components installed in the system Supported traps below on XCP2050 or later. 1) Heart beat notification trap Timing: ・When the XSCF SNMP function is started or restarted. ・Every 12 hours after starting the XSCF SNMP function. ・When 'rastest -c hb' command is executed. Trap contents: ・scfTrapStatusEventType.0=information(4) ・scfMIBTrapData.scfTrapFaultEventCode.0 = 「FF010001」 ・scfMIBTrapData.scfTrapMessageId.0 = 「M10-Heartbeat」 ・The contents of other OBJECTs are set the information of the related device. **Note -** This trap does not signify a component error. Therefore, ignore it even if it is reported. If you are using monitoring management software, remove this trap from the monitoring targets in the settings. 2) Pseudo error notification trap Timing: ・When "rastest -c test" command is executed. Trap contents: ・scfTrapStatusEventType.0=alarm(1)	scfComponentErrorStatus.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.13.x.xx.y.yy.z.zz	normal(1) degraded(2) faulted(3) deconfigured(4) maintenance(5) unknown(255)	For x.xx.y.yy.z.zz see "4.1 Parts identifier (OID)".
		scfTrapStatusEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.2.0	alarm(1) warning(2) notice(3) information(4) factory(5) other(6)	When a hardware error occurs, alarm(1) or warning(2) is used. Please confirm the detail of the errors by showlogs(8) command.
		scfSystemInfo.scfSystemSerialNumber.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.3.0	String	Supported on XCP2050 or later. System serial number
		scfSystemInfo.scfSystemType.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.2.0	String	Supported on XCP2050 or later. Product name e.g., SPARC M10-1 SPARC M10-4 SPARC M10-4S SPARC M12-1 SPARC M12-2 SPARC M12-2S
		scfSystemInfo.scfSystemName.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.1.0	String	Supported on XCP2050 or later. Master XSCF host name
		scfMIBTrapData.scfTrapFaultEventCode.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.14.0	String	Supported on XCP2050 or later. Error log code
		scfMIBTrapData.scfTrapFaultTimestamp.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.15.0	String	Supported on XCP2050 or later. Error log timestamp (failure occurrence time). The time is set according to the time zone at the trap transmission time. e.g., Mar 04 14:08:41.145 JST 2013

NOTIFICATION-TYPE	SUMMARY	OBJECTS	Value	Notes
	･scfMIBTrapData.scfTrapFaultEventCode.0 = 「FF020001」 ･scfMIBTrapData.scfTrapMessageId.0 = 「M10-Testalert」 ･The contents of other OBJECTs are set the information of the related device.	scfMIBTrapData.scfTrapFaultKnowledgeUrl.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.16.0	String	Supported on XCP2050 or later. URL of Knowledge Article Web provided by Oracle Corporation: https://support.oracle.com/msg/XXXXXXXX <https://support.oracle.com/msg/XXXXXXXX> Note 1: XXXXXXXX is the scfTrapMessageId value. Note 2: There is a single-byte space between the URL and an angle bracket (< >). e.g., https://support.oracle.com/msg/M10-cpu.fe <https://support.oracle.com/msg/M10-cpu.fe> https://support.oracle.com/msg/M12-cpu.fe <https://support.oracle.com/msg/M12-cpu.fe>
		scfMIBTrapData.scfTrapFruSerialNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.17.0	String	Supported on XCP2050 or later. Serial number of the FRU at the first suspected location. No value is set for a FAN or other FRU that does not have a serial number.
		scfMIBTrapData.scfTrapFruPartNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.18.0	String	Supported on XCP2050 or later. Part number of the FRU at the first suspected location. The information is the same as "FRU-Part-Number" output by showhardconf. No value is set for a FAN or other FRU that is not equipped with FRU-ROM.
		scfMIBTrapData.scfTrapFruSerialNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.19.0	String	Supported on XCP2050 or later. Serial number of the FRU at the second suspected location. No value is set for a FAN or other FRU that does not have a serial number.
		scfMIBTrapData.scfTrapFruPartNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.20.0	String	Supported on XCP2050 or later. Part number of the FRU at the second suspected location. The information is the same as "FRU-Part-Number" output by showhardconf. No value is set for a FAN or other FRU that is not equipped with FRU-ROM.
		scfMIBTrapData.scfTrapFruSerialNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.21.0	String	Supported on XCP2050 or later. Serial number of the FRU at the third suspected location. No value is set for a FAN or other FRU that does not have a serial number.

NOTIFICATION-TYPE	SUMMARY	OBJECTS	Value	Notes
		scfMIBTrapData.scfTrapFruPartNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.22.0	String	Supported on XCP2050 or later. Part number of the FRU at the third suspected location. The information is the same as "FRU-Part-Number" output by showhardconf. No value is set for a FAN or other FRU that is not equipped with FRU-ROM.
		scfMIBTrapData.scfTrapFruPartPath.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.23.0	String	Supported on XCP2050 or later. Part path of an FRU e.g., /BB#0/CMUL/MEM#01A, /BB#0/CMUL/CPU#0 (first suspect, second suspect)
		scfMIBTrapData.scfTrapProductName.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.24.0	String	Supported on XCP2050 or later. Maintenance information for Oracle Corporation
		scfMIBTrapData.scfTrapSupportServiceStatus.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.25.0	supportServiceRequired(1) noSupportServiceRequired(2)	Supported on XCP2050 or later. Maintenance information for Oracle Corporation
		scfMIBTrapData.scfTrapMessageId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.26.0	String	Supported on XCP2050 or later. Maintenance information for Oracle Corporation
scfComponentEvent 1.3.6.1.4.1.211.1.15.4.1.2.0.2	System status change Add/Change/Remove of components PSU power supply error/recovery Changes in temperature Changing memory mirror mode	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	
		scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	add(10) remove(11) change(12) tempInletLevel1(20) tempInletLevel2(21) tempInletLevel3(22) tempInletLevel4(23) tempRecover(30) tempStopFanControl(31) acRecover(50) acFail(51) psbConfMemoryMirrorValid(100) psbConfMemoryMirrorInvalid(101)	

NOTIFICATION-TYPE	SUMMARY	OBJECTS	Value	Notes
scfPPARPsbEvent 1.3.6.1.4.1.211.1.15.4.1.2.0.3	Add/Remove PSB from PPAR by DR	scfPsbPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3.PSB number	PPAR ID(0 to 15) SP(253) OTHER(254)	The PSBNumber in OID is a numerical string transformed into ASCII code from PSB number. See "4.3 PSB identifier (OID)".
		scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drAddBoardConfigure(70) drAddBoardAssign(71) drAddBoardComplete(72) drDeleteBoardDisconnect(73) drDeleteBoardUnassign(74) drDeleteBoardReset(75) drDeleteBoardComplete(76) drWaitingState(81) drAddBoardFail(82) drDeleteBoardFail(83) drHvAbort(84)	
scfPPARLsbEvent 1.3.6.1.4.1.211.1.15.4.1.2.0.4	Changing setting of PPAR configuration list	scfLsbPPARId.x.y .1.3.6.1.4.1.211.1.15.4.1.1.7.3.1.1.x.y	PPAR ID(0 to 15) SP(253) OTHER(254)	x:PPAR_ID y:LSB_ID
		scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	dclConfigPolicySetting(90) dclNo-IoSetting(91) dclNo-MemSetting(92) dclFloatingBoardSetting(93) dclLSBSetting(94)	
scfCodViolation 1.3.6.1.4.1.211.1.15.4.1.2.0.5	CPU Activation count violation/violation resolved / Power-off notification to control domain/to PPAR and CPU Activation Interim Permit enabled/disabled/expired/expiration alerted/advance notification given one day before expiration/advance notification given less than one day before (on the day of) expiration	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Integer32 (0..2147483647)	x:ppar id
		scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	codProcViolation(1) codMemViolation(2) codProcSolve(3) codMemSolve(4) codCtrlDomainStopped(5) codAllDomainStopped(6) InterimPermitEnable(40) InterimPermitDisable(41) InterimPermitExpired(42) InterimPermitDueToExpire(43) InterimPermitDueToExpireIn1Day(44) InterimPermitDueToExpireInLessThan1Day(45)	CPU Activation Interim Permit is supported on XCP 2320 or later.
scfModeSwitchEvent 1.3.6.1.4.1.211.1.15.4.1.2.0.6	Operating for mode switch of operation panel	scfModeSwitch.0 .1.3.6.1.4.1.211.1.15.4.1.1.2.4.0	locked(1) service(2)	
		scfTrapModeSwitchEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.10.0	other(1) modeSwitchService(2) modeSwitchLocked(3) powerSwitchShort(4) powerSwitchLong(5)	
scfPciBoxEvent .1.3.6.1.4.1.211.1.15.4.1.2.0.7	Adding/Deleting/Exchanging PCI expansion unit parts	scfTrapPciBoxId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.4.0	String	
		scfTrapPciBoxSubType .1.3.6.1.4.1.211.1.15.4.1.2.1.5.0	pcibox(1) ioboard(2) fan(3) fanbp(4) lnkcd(5) lnkbd(6) psu(7) unknown(255)	

NOTIFICATION-TYPE	SUMMARY	OBJECTS	Value	Notes
		scfTrapPciBoxSubId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.6.0	Numerical value	
		scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	add(10) remove(11) change(12)	
scfPciBoxLedEvent .1.3.6.1.4.1.211.1.15.4.1.2.0.8	Status change of PCI expansion unit part LED	scfTrapPciBoxId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.4.0	String	
		scfTrapPciBoxSubType .1.3.6.1.4.1.211.1.15.4.1.2.1.5.0	pcibox(1) Ioboard(2) fan(3) fanbp(4) lnkcd(5) lnkbd(6) psu(7) unknown(255)	
		scfTrapPciBoxSubId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.6.0	Numerical value	
		scfTrapPciBoxLedType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.8.0	unknown(0) locate(1) active(2) (*1) powerDC(3) (*1) powerAC(4) (*1) rtr(5) (*1) overTemp(6) (*1) mgmt(7) data(8)	(*1) Users are not notified of the following values due to PCI expansion unit control: active(2)/powerDC(3)/powerAC(4)/rtr(5)/overTemp(6)
		scfTrapPciBoxLedValue.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.9.0	off(1) standbyBlink(2) blinkSlow(3) blinkFast(4) feedbackFlash(5) on(6) unknown(255)	
scfPciBoxTemperatureEvent .1.3.6.1.4.1.211.1.15.4.1.2.0.9	PCI expansion unit temperature alerts/removal of alerts	scfTrapPciBoxId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.4.0	String	
		scfTrapPciBoxSubType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.5.0	pcibox(1) Ioboard(2) fan(3) fanbp(4) lnkcd(5) lnkbd(6) psu(7) unknown(255)	
		scfTrapPciBoxSubId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.6.0	Numerical value	
		scfTrapPciBoxTempEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.7.0	other(1) overTemp(2) recover(3)	

NOTIFICATION-TYPE	SUMMARY	OBJECTS	Value	Notes
scfDomainStatusAlarm 1.3.6.1.4.1.211.1.15.4.1.2.0.11	Alarm for Domain status change (Change, Activation, Boot, Shutdown, Panic, etc.)	scfDomainName."Domain identifier" .1.3.6.1.4.1.211.1.15.4.1.1.13.2.1.2.x."Domain identifier"	String	In case of control domain: 'primary' In case of guest domain: domain name set by 'ldm add-domain $DOMAIN'.
		scfDomainStatus."Domain identifier" .1.3.6.1.4.1.211.1.15.4.1.1.13.2.1.3.x."Domain identifier"	Status string The strings to be stored are as follows: - Host stopped - Solaris booting - Solaris running - Solaris suspended - Solaris halting - Solaris powering down - Solaris rebooting - Solaris panicking - Solaris debugging - OpenBoot initializing - OpenBoot Running - OpenBoot Primary Boot Loader - OpenBoot Running OS Boot - OS Started. No state support - OpenBoot Running Host Halted - OpenBoot Exited - OpenBoot Host Received Break - OpenBoot Failed	Note that "ALL Guests" and Status "Host stopped" must be specified for the control domain only when resetting PPAR. Domain identifier : (In case of control domain) .x.0 (In case of guest domain) .x.name x = PPAR-ID(0..15) name = a ASCII-coded numerical string transformed from the domain name.
		scfTrapDomainStatusAlarmType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.11.0	status(2)	
		scfTrapReplyIpAddress.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.13.0	XSCF-LAN#0 source IpAddress xxx.xxx.xxx.xxx	SYNTAX:scfIpAddress IP address to be set: • If a takeover IP address(virtual IP address) has been set, set the takeover IP address. • If no takeover IP address has been set, set a physical IP address. Set 0.0.0.0 if neither of the above address exist.
		scfTrapReplyIpAddress.1 .1.3.6.1.4.1.211.1.15.4.1.2.1.13.1	XSCF-LAN#1 source IpAddress xxx.xxx.xxx.xxx	Same as above
scfNTPStatusEvent .1.3.6.1.4.1.211.1.15.4.1.2.0.12	Status for NTP	scfNTPStatus .1.3.6.1.4.1.211.1.15.4.1.1.2.5	false(2)	

Chapter 6 XSCF Trap Details Lists

This chapter lists trap events.

6.1 Trap Notifications

Table 6-1 lists trap notifications for events.

Table 6-1 Trap notifications for events

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	Unit failure or error	scfComponentStatusEvent scfMIBTrapPrefix.1 1.3.6.1.4.1.211.1.15.4.1.2.0.1	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	1	scfComponentErrorStatus.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.13.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapStatusEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.2.0	alarm(1)							
						scfSystemInfo.scfSystemSerialNumber.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.3.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemType.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.2.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemName.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.1.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultEventCode.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.14.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultTimestamp.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.15.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultKnowledgeUrl.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.16.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.17.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.18.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.19.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.20.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.21.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.22.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartPath.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.23.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapProductName.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.24.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapSupportServiceStatus.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.25.0	supportServiceRequired(1)	Supported on XCP2050 or later. See Table 5-1.						
							noSupportServiceRequired(2)	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapMessageId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.26.0	String	Supported on XCP2050 or later. See Table 5-1.						

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	Unit degraded or alert	scfComponentStatusEvent scfMIBTrapPrefix.1 1.3.6.1.4.1.211.1.15.4.1.2.0.1	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	1	scfComponentErrorStatus.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.13.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapStatusEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.2.0	warning(2)							
						scfSystemInfo.scfSystemSerialNumber.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.3.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemType.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.2.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemName.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.1.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultEventCode.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.14.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultTimestamp.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.15.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultKnowledgeUrl.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.16.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.17.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.18.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.19.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.20.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.21.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.22.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartPath.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.23.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapProductName.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.24.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapSupportServiceStatus.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.25.0	supportServiceRequired(1)	Supported on XCP2050 or later. See Table 5-1.						
							noSupportServiceRequired(2)	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapMessageId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.26.0	String	Supported on XCP2050 or later. See Table 5-1.						

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	System status notification	scfComponentStatusEvent scfMIBTrapPrefix.1 1.3.6.1.4.1.211.1.15.4.1.2.0.1	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	1	scfComponentErrorStatus.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.13.x.xx.y.yy.z.zz	string	The x.xx.y.yy.z.zzin OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapStatusEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.2.0	notice(3)							
						scfSystemInfo.scfSystemSerialNumber.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.3.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemType.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.2.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemName.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.1.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultEventCode.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.14.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultTimestamp.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.15.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultKnowledgeUrl.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.16.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.17.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.18.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.19.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.20.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.21.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.22.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartPath.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.23.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapProductName.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.24.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapSupportServiceStatus.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.25.0	supportServiceRequired(1)	Supported on XCP2050 or later. See Table 5-1.						
							noSupportServiceRequired(2)	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapMessageId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.26.0	String	Supported on XCP2050 or later. See Table 5-1.						

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	Notifications Supported traps below on XCP2050 or later. 1) Heart beat notification trap **Note -** This trap does not signify a component error. Therefore, ignore it even if it is reported. If you are using monitoring management software, remove this trap from the monitoring targets in the settings. 2) Pseudo error notification trap	scfComponentStatusEvent scfMIBTrapPrefix.1 1.3.6.1.4.1.211.1.15.4.1.2.0.1	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	1	scfComponentErrorStatus.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.13.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapStatusEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.2.0	information(4)							
						scfSystemInfo.scfSystemSerialNumber.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.3.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemType.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.2.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemName.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.1.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultEventCode.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.14.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultTimestamp.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.15.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultKnowledgeUrl.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.16.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.17.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.18.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.19.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.20.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.21.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.22.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartPath.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.23.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapProductName.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.24.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapSupportServiceStatus.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.25.0	supportServiceRequired(1)	Supported on XCP2050 or later. See Table 5-1.						
							noSupportServiceRequired(2)	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapMessageId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.26.0	String	Supported on XCP2050 or later. See Table 5-1.						

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	Others	scfComponentStatusEvent scfMIBTrapPrefix.1 1.3.6.1.4.1.211.1.15.4.1.2.0.1	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	1	scfComponentErrorStatus.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.13.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapStatusEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.2.0	other(6)							
						scfSystemInfo.scfSystemSerialNumber.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.3.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemType.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.2.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfSystemInfo.scfSystemName.0 .1.3.6.1.4.1.211.1.15.4.1.1.4.1.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultEventCode.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.14.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultTimestamp.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.15.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFaultKnowledgeUrl.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.16.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.17.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber1st.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.18.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.19.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber2nd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.20.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruSerialNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.21.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartNumber3rd.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.22.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapFruPartPath.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.23.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapProductName.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.24.0	String	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapSupportServiceStatus.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.25.0	supportServiceRequired(1)	Supported on XCP2050 or later. See Table 5-1.						
							noSupportServiceRequired(2)	Supported on XCP2050 or later. See Table 5-1.						
						scfMIBTrapData.scfTrapMessageId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.26.0	String	Supported on XCP2050 or later. See Table 5-1.						
oplSpMIB	Adding parts during replacement parts	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	add(2)							
oplSpMIB	Removing parts during replacement parts	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	remove(3)							
oplSpMIB	Replacing parts during replacement parts	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	changeComplete(6)							

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	Changing fan mode to low speed (level 1) due to low intake temperature	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1) **Note** - This is a notification of a change in the fan mode resulting from a change in the intake temperature, so monitoring is not necessary. If you are using monitoring management software, remove this notification from the monitoring targets in the settings.	Yes	Yes	Yes	Yes	Yes	Yes
						ScfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	tempInletLevel1(20)								
oplSpMIB	Changing fan mode to low speed (level 2) due to low intake temperature	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1) **Note -** This is a notification of a change in the fan mode resulting from a change in the intake temperature, so monitoring is not necessary. If you are using monitoring management software, remove this notification from the monitoring targets in the settings.	Yes	Yes	Yes	Yes	Yes	Yes
						ScfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	tempInletLevel2(21)								
oplSpMIB	Changing fan mode to middle speed (level 3) due to normal intake temperature	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1) **Note -** This is a notification of a change in the fan mode resulting from a change in the intake temperature, so monitoring is not necessary. If you are using monitoring management software, remove this notification from the monitoring targets in the settings.	Yes	Yes	Yes	Yes	Yes	Yes
						ScfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	tempInletLevel3(22)								
oplSpMIB	Changing fan mode to high speed (level 4) due to high intake temperature	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1) **Note -** This is a notification of a change in the fan mode resulting from a change in the intake temperature, so monitoring is not necessary. If you are using monitoring management software, remove this notification from the monitoring targets in the settings.	Yes	Yes	Yes	Yes	Yes	Yes
						ScfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	tempInletLevel4(23)								
oplSpMIB	Exhaust gas temperature recovers from alert status	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						ScfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	tempRecover(30)								
oplSpMIB	Fan moves to inlet mode due to high exhaust gas temperature	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						ScfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	tempStopFanControl(31)								

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	PSU restoration of power start	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	acRecover(50)							
oplSpMIB	PSU restoration of power failure	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	acFail(51)							
oplSpMIB	Setting the memory mirror mode to "Enable"	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	psblMemoryMirrorValid(100)							
oplSpMIB	Setting the memory mirror mode to "Disable"	scfComponentEvent scfMIBTrapPrefix.2 .1.3.6.1.4.1.211.1.15.4.1.2.0.2	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	2	scfComponentSerialNumber.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.9.x.xx.y.yy.z.zz	String	The x.xx.y.yy.z.zz in OID means the following: x = Board identity, xx = Board number, y = Module identity, yy = Module number, z = Module (sub) identity, zz = Module (sub) number. (*1)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	psbMemoryMirrorInvalid(101)							
oplSpMIB	Operation of incorporating PSB into PPAR by DR	scfPPARPsbEvent ScfMIBTrapPrefix.3 .1.3.6.1.4.1.211.1.15.4.1.2.0.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drAddBoardConfigure(70)							
oplSpMIB	Operation of allocating PSB into PPAR by DR	scfPPARPsbEvent ScfMIBTrapPrefix.3 .1.3.6.1.4.1.211.1.15.4.1.2.0.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drAddBoardAssign(71)							
oplSpMIB	addboard operation by DR	scfPPARPsbEvent ScfMIBTrapPrefix.3 .1.3.6.1.4.1.211.1.15.4.1.2.0.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drAddBoardComplete(72)							
oplSpMIB	Operation of removing PSB from PPAR by DR	scfPPARPsbEvent ScfMIBTrapPrefix.3 .1.3.6.1.4.1.211.1.15.4.1.2.0.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drDeleteBoardDisconnect(73)							
oplSpMIB	Operation of unallocating PSB from PPAR by DR	scfPPARPsbEvent ScfMIBTrapPrefix.3 .1.3.6.1.4.1.211.1.15.4.1.2.0.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drDeleteBoardUnassign(74)							
oplSpMIB	Operation of unallocating after reset by DR	scfPPARPsbEvent ScfMIBTrapPrefix.3 .1.3.6.1.4.1.211.1.15.4.1.2.0.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drDeleteBoardReset(75)							
oplSpMIB	deleteboard operation by DR	scfPPARPsbEvent ScfMIBTrapPrefix.3 .1.3.6.1.4.1.211.1.15.4.1.2.0.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drDeleteBoardComplete(76)							
oplSpMIB	OpenBoot PROM behavior during DR sequence	scfPPARPsbEvent ScfMIBTrapPrefix.3 .1.3.6.1.4.1.211.1.15.4.1.2.0.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drWaitingState(81)							
oplSpMIB	Fail of addboard operation by DR (Supported by XCP2080 or later)	scfPPARPsbEvent ScfMIBTrapPrefix.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drAddBoardFail(82)							

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	Fail of deleteboard operation by DR (Supported by XCP2080 or later)	scfPPARPsbEvent ScfMIBTrapPrefix.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drDeleteBoardFail(83)							
oplSpMIB	Hypervisor abort by DR (Supported by XCP2090 or later)	scfPPARPsbEvent ScfMIBTrapPrefix.3	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	3	scfPSBPPARId."PSBNumber" .1.3.6.1.4.1.211.1.15.4.1.1.6.3.1.3."PSBNumber"	Numerical value (PPAR ID)	PSBNumber: PSB number in ASCII string. (*2)	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	drHvAbort(84)							
oplSpMIB	Setting of configuration policy	scfPAPRLsbEvent ScfMIBTrapPrefix.4 1.3.6.1.4.1.211.1.15.4.1.2.0.4	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	4	scfLsbPPARId.x.y .1.3.6.1.4.1.211.1.15.4.1.1.7.3.1.1.x.y	Numerical value (PPAR ID)	x:ppar id y:lsb number	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	dclConfigPolicySetting(90)							
oplSpMIB	Setting of no-io property	scfPAPRLsbEvent ScfMIBTrapPrefix.4 1.3.6.1.4.1.211.1.15.4.1.2.0.4	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	4	scfLsbPPARId.x.y .1.3.6.1.4.1.211.1.15.4.1.1.7.3.1.1.x.y	Numerical value (PPAR ID)	x:ppar id y:lsb number	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	dclNo-IoSetting(91)							
oplSpMIB	Setting of no-mem property	scfPAPRLsbEvent ScfMIBTrapPrefix.4 1.3.6.1.4.1.211.1.15.4.1.2.0.4	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	4	scfLsbPPARId.x.y .1.3.6.1.4.1.211.1.15.4.1.1.7.3.1.1.x.y	Numerical value (PPAR ID)	x:ppar id y:lsb number	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	dclNo-MemSetting(92)							
oplSpMIB	Setting of floating board property	scfPAPRLsbEvent ScfMIBTrapPrefix.4 1.3.6.1.4.1.211.1.15.4.1.2.0.4	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	4	scfLsbPPARId.x.y .1.3.6.1.4.1.211.1.15.4.1.1.7.3.1.1.x.y	Numerical value (PPAR ID)	x:ppar id y:lsb number	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	dclFloatingBoardSetting(93)							
oplSpMIB	Setting/resetting PSB number to LSB of PCL	scfPAPRLsbEvent ScfMIBTrapPrefix.4 1.3.6.1.4.1.211.1.15.4.1.2.0.4	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	4	scfLsbPPARId.x.y .1.3.6.1.4.1.211.1.15.4.1.1.7.3.1.1.x.y	Numerical value (PPAR ID)	x:ppar id y:lsb number	No	Yes	Yes	No	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	dclLSBSetting(94)							
oplSpMIB	PROC resource violation occurrence	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	codProcViolation(1)							
oplSpMIB	MEM resource violation occurrence	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	codMemViolation(2)							
oplSpMIB	PROC resource violation resolution	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	codProcSolve(3)							
oplSpMIB	MEM resource violation resolution	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	codMemSolve(4)							
oplSpMIB	Stopping Control Domain due to resource resolution	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	codCtrlDomainStopped(5)							
oplSpMIB	Stopping all domain due to resource resolution	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	codAllDomainStopped(6)							
oplSpMIB	CPU Activation Interim Permit enabled	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes (*4)	Yes (*4)	Yes	Yes	No
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	InterimPermitEnable(40)	CPU Activation Interim Permit is supported on XCP 2320 or later.						
oplSpMIB	CPU Activation Interim Permit disabled	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes (*4)	Yes (*4)	Yes	Yes	No
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	InterimPermitDisable(41)	CPU Activation Interim Permit is supported on XCP 2320 or later.						
oplSpMIB	CPU Activation Interim Permit expired	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes (*4)	Yes (*4)	Yes	Yes	No
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	InterimPermitExpired(42)	CPU Activation Interim Permit is supported on XCP 2320 or later.						

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	CPU Activation Interim Permit expiration alerted	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes (*4)	Yes (*4)	Yes	Yes	No
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	InterimPermitDueToExpire(43)	CPU Activation Interim Permit is supported on XCP 2320 or later.						
oplSpMIB	Advance notification given one day before expiration of CPU Activation Interim Permit	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes (*4)	Yes (*4)	Yes	Yes	No
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	InterimPermitDueToExpireIn1Day(44)	CPU Activation Interim Permit is supported on XCP 2320 or later.						
oplSpMIB	Advance notification given less than one day before (on the day of) expiration of CPU Activation Interim Permit	scfCodViolation scfMIBTrapPrefix.5 .1.3.6.1.4.1.211.1.15.4.1.2.0.5	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	5	scfPPARId.x .1.3.6.1.4.1.211.1.15.4.1.1.5.2.1.1.x	Numerical value	x:ppar id	Yes	Yes (*4)	Yes (*4)	Yes	Yes	No
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	InterimPermitDueToExpireInLessThan1Day(45)	CPU Activation Interim Permit is supported on XCP 2320 or later.						
oplSpMIB	POWER switch short press (PowerShort)	scfModeSwitchEvent ScfMIBTrapPrefix.6 .1.3.6.1.4.1.211.1.15.4.1.2.0.6	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	6	scfTrapModeSwitchEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.10.0	powerSwitchShort(4)		Yes	Yes	Yes	Yes	Yes	Yes
						scfModeSwitch .1.3.6.1.4.1.211.1.15.4.1.1.2.4	locked(1)							
							service(2)							
oplSpMIB	POWER switch long press (PowerLong)	scfModeSwitchEvent ScfMIBTrapPrefix.6 .1.3.6.1.4.1.211.1.15.4.1.2.0.6	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	6	scfTrapModeSwitchEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.10.0	powerSwitchLong(5)		Yes	Yes	Yes	Yes	Yes	Yes
						scfModeSwitch .1.3.6.1.4.1.211.1.15.4.1.1.2.4	locked(1)							
							service(2)							
oplSpMIB	Changing key switch (Mode Service -> Locked)	scfModeSwitchEvent ScfMIBTrapPrefix.6 .1.3.6.1.4.1.211.1.15.4.1.2.0.6	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	6	scfTrapModeSwitchEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.10.0	modeSwitchLocked(3)		Yes	Yes	Yes	Yes	Yes	Yes
						scfModeSwitch .1.3.6.1.4.1.211.1.15.4.1.1.2.4	locked(1)							
oplSpMIB	Changing key switch (Mode Locked -> Service)	scfModeSwitchEvent ScfMIBTrapPrefix.6 .1.3.6.1.4.1.211.1.15.4.1.2.0.6	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	6	scfTrapModeSwitchEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.10.0	modeSwitchService(2)		Yes	Yes	Yes	Yes	Yes	Yes
						scfModeSwitch .1.3.6.1.4.1.211.1.15.4.1.1.2.4	service(2)							
oplSpMIB	Guest domain status change	scfDomainStatusAlarm scfMIBTrapPrefix.11 .1.3.6.1.4.1.211.1.15.4.1.2.0.11	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	11	scfDomainName."DomainName" .1.3.6.1.4.1.211.1.15.4.1.1.13.2.1.2.x."DomainName"	DomainName string	- x in the OID means PPAR-ID (0..15). - "DomainName" in the OID is a numerical string transformed into ASCII code from a domain name (same value as that for scfDomainName). For the control domain, this domain name is "primary". However, immediately after a reset, it is temporarily "ALL Guests". For a guest domain, the domain name is the name specified with the "ldm add-domain $DOMAIN" command for a guest domain definition.	Yes	Yes	Yes	Yes	Yes	Yes

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
						scfDomainStatus."DomainName" .1.3.6.1.4.1.211.1.15.4.1.1.13.2.1.3.x."DomainName"	Status string * The strings to be stored are as follows: • Host stopped • Solaris booting • Solaris running ・Solaris suspended • Solaris halting • Solaris powering down • Solaris rebooting • Solaris panicking • Solaris debugging • OpenBoot initializing • OpenBoot Running • OpenBoot Primary Boot Loader • OpenBoot Running OS Boot • OS Started. No state support • OpenBoot Running Host Halted • OpenBoot Exited • OpenBoot Host Received Break • OpenBoot Failed	- x in the OID means PPAR-ID (0..15). - "DomainName" in the OID is a numerical string transformed into ASCII code from a domain name. For the control domain, this domain name is "primary". However, immediately after a reset, it is temporarily "ALL Guests". For a guest domain, the domain name is the name specified with the "ldm add-domain $DOMAIN" command for a guest domain definition.						
						scfTrapDomainStatusAlarmType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.11.0	status(2)							
						scfReplyIpAddress."LAN#" .1.3.6.1.4.1.211.1.15.4.1.2.1.13.0	String (IP Address)	IPAddress to be set.						
						scfReplyIpAddress."LAN#" .1.3.6.1.4.1.211.1.15.4.1.2.1.13.1	String (IP Address)	IPAddress to be set.						
oplSpMIB	Adding parts on PCI expansion unit	scfPciBoxEvent scfMIBTrapPrefix.7 .1.3.6.1.4.1.211.1.15.4.1.2.0.7	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	7	scfTrapPciBoxId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.4.0	String		Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapPciBoxSubType .1.3.6.1.4.1.211.1.15.4.1.2.1.5.0	pcibox(1)							
							ioboard(2)							
							fan(3)							
							fanbp(4)							
							lnkcd(5)							
							lnkbd(6)							
							psu(7)							
							unknown(255)							
						scfTrapPciBoxSubId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.6.0	Numerical value							
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	add(10)							
oplSpMIB	Deleting parts on PCI expansion unit	scfPciBoxEvent scfMIBTrapPrefix.7 .1.3.6.1.4.1.211.1.15.4.1.2.0.7	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	7	scfTrapPciBoxId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.4.0	String		Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapPciBoxSubType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.5.0	pcibox(1)							
							ioboard(2)							
							fan(3)							
							fanbp(4)							
							lnkcd(5)							
							lnkbd(6)							
							psu(7)							
							unknown(255)							
						scfTrapPciBoxSubId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.6.0	Numerical value							
						scfTrapEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.1.0	remove(11)							

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	M10-4 /M10-4S none XBBox	M10-4S with XBBox	M12-1	M12-2 /M12-2S none XBBox	M12-2S with XBBox
oplSpMIB	Changing status of LED on PCI expansion unit	scfPciBoxLedEvent scfMIBTrapPrefix.8 .1.3.6.1.4.1.211.1.15.4.1.2.0.8	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	8	scfTrapPciBoxId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.4.0	String	(*3) Users are not notified of the following values due to PCI expansion unit control: active(2)/powerDC(3)/powerAC(4)/rtr(5)/overTemp(6)	Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapPciBoxSubType .1.3.6.1.4.1.211.1.15.4.1.2.1.5.0	pcibox(1)							
							ioboard(2)							
							fan(3)							
							fanbp(4)							
							lnkcd(5)							
							lnkbd(6)							
							psu(7)							
							unknown(255)							
						scfTrapPciBoxSubId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.6.0	Numerical value							
						scfTrapPciBoxLedType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.8.0	unknown(0)							
							locate(1)							
							active(2) (*3)							
							powerDC(3) (*3)							
							powerAC(4) (*3)							
							rtr(5) (*3)							
							overTemp(6) (*3)							
							mgmt(7)							
							data(8)							
						scfTrapPciBoxLedValue.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.9.0	off(1)							
							standbyBlink(2)							
							blinkSlow(3)							
							blinkFast(4)							
							feedbackFlash(5)							
							on(6)							
							unknown(255)							
oplSpMIB	PCI expansion unit temperature alerts	scfPciBoxTemperatureEvent scfMIBTrapPrefix.9 .1.3.6.1.4.1.211.1.15.4.1.2.0.9	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	9	scfTrapPciBoxId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.4.0	String		Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapPciBoxSubType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.5.0	pcibox(1)							
							ioboard(2)							
							fan(3)							
							fanbp(4)							
							lnkcd(5)							
							lnkbd(6)							
							psu(7)							
							unknown(255)							
						scfTrapPciBoxSubId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.6.0	Numerical value							
						scfTrapPciBoxTempEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.7.0	overTemp(2)							
oplSpMIB	PCI expansion unit temperature alerts recovery	scfPciBoxTemperatureEvent scfMIBTrapPrefix.9 .1.3.6.1.4.1.211.1.15.4.1.2.0.9	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	9	scfTrapPciBoxId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.4.0	String		Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapPciBoxSubType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.5.0	pcibox(1)							
							ioboard(2)							
							fan(3)							
							fanbp(4)							
							lnkcd(5)							
							lnkbd(6)							
							psu(7)							
							unknown(255)							
						scfTrapPciBoxSubId.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.6.0	Numerical value							
						scfTrapPciBoxTempEventType.0 .1.3.6.1.4.1.211.1.15.4.1.2.1.7.0	recover(3)							
oplSpMIB	Synchronization (ntpdate) with upper NTP server failed	scfNTPStatusEvent scfMIBTrapPrefix.12 .1.3.6.1.4.1.211.1.15.4.1.2.0.12	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	12	scfNTPStatus .1.3.6.1.4.1.211.1.15.4.1.1.2.5	false(2)		Yes	Yes	Yes	Yes	Yes	Yes

*1; See "4.1 Parts identifier (OID)".
*2; See "4.3 PSB identifier (OID)".
*4: In SPARC M10-4S, CPU Activation Interim Permit is supported on XCP 2330 or later.

6.2 Error Events for Trap Notifications

Table 6-2 lists trap notifications for error events.

Table 6-2 Trap notifications for error events

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	none XBBox	with XBBox	M12-1	none XBBox	with XBBox
										M10-4/M10-4S	M10-4S		M12-2/M12-2S	M12-2S
oplSpMIB	Error events etc., Status change for installed parts (*1)	scfComponentStatusEvent scfMIBTrapPrefix.1 .1.3.6.1.4.1.211.1.15.4.1.2.0.1	scfMIBTraps .1.3.6.1.4.1.211.1.15.4.1.2	6	1	scfComponentErrorStatus.x.xx.y.yy.z.zz .1.3.6.1.4.1.211.1.15.4.1.1.12.2.1.13.x.xx.y.yy.z.zz	normal(1), degraded(2) faulted(3) deconfigured(4) maintenance(5) unknown(255)		Yes	Yes	Yes	Yes	Yes	Yes
						scfTrapStatusEventType .1.3.6.1.4.1.211.1.15.4.1.2.1.2.0	Alarm(1) Warning(2) Notice(3) Information(4) Factory(5)							

*1; When you need more information for error events, login the XSCF and run some status reference commands such as the showlogs and the showstatus to see the information.

6.3 Other Events for Trap Notifications

Table 6-3 lists trap notifications for other events.

Table 6-3 Trap notifications for other events

Used MIB	Event to be occurred	SNMPv2/3	SNMPv1			OBJECT to be added (affixed) to Trap		Remarks	model					
		NOTIFICATION-TYPE TrapOID as a string TrapOID as a numerical value	TrapOID as a string TrapOID as a numerical value	TrapNum	Specific TrapNum	OID (as a string) OID (as a numerical value)	Value		M10-1	none XBBox	with XBBox	M12-1	none XBBox	with XBBox
										M10-4/M10-4S	M10-4S		M12-2/M12-2S	M12-2S
snmpV2	SNMP agent has been started during XSCF startup and according to the change of SNMP setting.	coldStart snmpTraps .1.1.3.6.1.6.3.1.1.5.1	netSnmpAgentOIDs.linux .1.3.6.1.4.1.8072.3.2.10	0	0	-	-		Yes	Yes	Yes	Yes	Yes	Yes
snmpV2	Unauthorized access to SNMP agent has been detected.	authenticationFailure snmpTraps.5 .1.3.6.1.6.3.1.1.5.5	netSnmpAgentOIDs.linux .1.3.6.1.4.1.8072.3.2.10	4	0	-	-		Yes	Yes	Yes	Yes	Yes	Yes
netSnmp	SNMP agent has been stopped during XSCF reboot and according to the change of SNMP setting.	nsNotifyShutdown netSnmpNotifications.2 .1.3.6.1.4.1.8072.4.0.2	netSnmpNotificationPrefix .1.3.6.1.4.1.8072.4	6	2	-	-		Yes	Yes	Yes	Yes	Yes	Yes