

About this manual

A Configuration Sheet

Use this form to record the hardware configuration and various settings of your server.

B Design Sheet

Use this form to record the software settings.

C Accident Sheet

Use this form to record any failures that occur in your server.

Product Names

The following expressions and abbreviations are used to describe the product names used in this manual.

Product names	Expressions and abbreviations
PRIMERGY TX200 S2	This server, or server
Microsoft® Windows Server™ 2003, Standard Edition	Windows Server 2003, Standard Edition
Microsoft® Windows Server™ 2003, Enterprise Edition	Windows Server 2003, Enterprise Edition
Windows Server 2003, Standard Edition and Windows Server 2003, Enterprise Edition	Windows 2003
Microsoft® Windows® 2000 Server	Windows 2000 Server
Microsoft® Windows® 2000 Advanced Server	Windows 2000 Advanced Server
Windows 2000 Server and Windows 2000 Advanced Server	Windows 2000

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A Configuration Sheet

Use this form to record the hardware configuration and various settings of your server.

Fill-in (or mark in some way) the checkboxes (☐) appropriate for your server. The factory default values are indicated by an asterisk (*). Fixed settings are indicated by a black square.

A.1 Hardware Configuration

■ 5 inch built in options

Installation 5 inch hardware option (Product ID)	Installed position		
	Bay 1	Bay 2	Bay 3
CD-ROM unit (standard installation)	*	-	-
Tape Drv DAT72 36GB internal (PG-DT501)	-	☐	☐
Tape Drv VXA-2 80GB (PG-VX201)	-	☐	☐
Tape Drv LTO Ultrim 100GB (PG-LT101)	-	☐	☐
****Bay Conversion kit (PG-BC102)	-	☐	

-: Indicates that this item cannot be installed.

■ The internal hard disk units

Installed position	Installation 3.5 inch hardware option	
	10,000rpm	15,000rpm
Bay 1	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB
Bay 2	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB
Bay 3	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB
Bay 4	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB
Bay 5	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB
Bay 6	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB
Bay 7 *1	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB
Bay 8 *1	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB
Bay 7 *1	☐ 73.4GB ☐ 146.8GB ☐ 300GB	☐ 73.4GB

*1 Able to install only when using HDD U320 Bay Conversion kit.

■ RAM modules

Installation slot		Installation RAM module		
Memory bank 0	Slot A	☐ 256 MB	☐ 512 MB	☐ 1 GB
	Slot B	☐ 256 MB	☐ 512 MB	☐ 1 GB
Memory bank 1	Slot A	☐ 256 MB	☐ 512 MB	☐ 1 GB
	Slot B	☐ 256 MB	☐ 512 MB	☐ 1 GB
Memory bank 2	Slot A	☐ 256 MB	☐ 512 MB	☐ 1 GB
	Slot B	☐ 256 MB	☐ 512 MB	☐ 1 GB

Install the same memory capacity to Slot A and Slot B of the same memory bank.

■ CPU

Installation CPU	Number	
☐ Processor Xeon™ 3.0GHz / 2MB	☐ 1	☐ 2
☐ Processor Xeon™ 3.2GHz / 2MB		
☐ Processor Xeon™ 3.6GHz / 2MB		

■ Option cards

Expansion card (Product ID)	PCI slot location				
	1	2	3	4	5
Remote Service Board (PG-RSB103)	-	-	-	-	☐
RAID Ctrl 0-Channel 128MB (PG-140D1)	☐	☐	☐	☐	-
RAID Ctrl 2-Channel 128MB w/BBU (PG-142E3)	☐	☐	☐	☐	-
SCSI Ctrl U160 (PG-128)	☐	☐	☐	☐	-
Fibre Channel Controller (PG-FC106)	☐	☐	☐	☐	-
Eth. Ctrl 1000-BASE-T Cu (PG-1892)	☐	☐	☐	☐	-
Eth. Ctrl 1000-BASE-SX Fibre LC (PG-1882)	☐	☐	☐	☐	-
Eth. Ctrl 1000-BASE-T Cu (PG-1852)	☐	☐	☐	☐	☐
Eth. Ctrl 2x1000-BASE-T Cu (PG-1862)	☐	☐	☐	☐	-

-: Indicates that this item cannot be installed.

A.2 BIOS Setup Utility Parameters

The marks used in each menu indicate:

☐: Parameters ☐: Settings at time of purchase ☒: Unchangeable settings ☆: Default settings

■ Parameters in the Main menu

Parameters	Setting
System Time	Time [hh:mm:ss]
System Date	Date [xxx MM/DD/YY]
Diskette A	☐ None ☐ 360K ☐ 1.2M ☐ 720K ☒ 1.4M
IDE Drive1	
Type	☒ Auto ☐ None ☐ CD-ROM ☐ Diskette 120M/ZIP ☐ IDE Removable ☐ Other ATAPI ☐ USER
Transfer Mode	Disabled (only displayed and unchangeable)
LBA Translation	Disabled (only displayed and unchangeable)
32Bit I/O	☐ Disabled ☒ Enabled
PIO Mode	Standard (only displayed and unchangeable)
Ultra DMA Mode	Disabled (only displayed and unchangeable)
IDE Drive2	
Type	☒ Auto ☐ None ☐ CD-ROM ☐ Diskette 120M/ZIP ☐ IDE Removable ☐ Other ATAPI ☐ USER
Transfer Mode	Disabled (only displayed and unchangeable)
LBA Translation	Disabled (only displayed and unchangeable)
32Bit I/O	☐ Disabled ☒ Enabled
PIO Mode	Standard (only displayed and unchangeable)
Ultra DMA Mode	Disabled (only displayed and unchangeable)
IDE Drive3 (Standard CD-ROM)	
Type	☒ Auto ☐ None ☐ CD-ROM ☐ Diskette 120M/ZIP ☐ IDE Removable ☐ Other ATAPI ☐ USER
Transfer Mode	Disabled (only displayed and unchangeable)
LBA Translation	Disabled (only displayed and unchangeable)
32Bit I/O	☐ Disabled ☒ Enabled
PIO Mode	PIO4/DMA2 (only displayed and unchangeable)
Ultra DMA Mode	Mode2 (only displayed and unchangeable)
IDE Drive4	
Type	☒ Auto ☐ None ☐ CD-ROM ☐ Diskette 120M/ZIP ☐ IDE Removable ☐ Other ATAPI ☐ USER
Transfer Mode	Disabled (only displayed and unchangeable)
LBA Translation	Disabled (only displayed and unchangeable)
32Bit I/O	☐ Disabled ☒ Enabled
PIO Mode	Standard (only displayed and unchangeable)
Ultra DMA Mode	Disabled (only displayed and unchangeable)

(continued)

Parameters	Setting
Boot Options	
POST Errors	☆No Halt On Any Errors ◆Halt On All Errors
Keyboard Check	☐ Disabled ☐ Enabled
SM Error Halt	◆Disabled ☐ Enabled
Fast Boot:	◆Disabled ☆Enabled
Quiet Boot:	◆Disabled ☆Enabled
NumLock	◆Auto ☐ On ☐ Off
Boot Menu:	☐ Disabled ◆Enabled
MultiBoot for HDs	☐ Disabled ☆Enabled (Set to enabled when PXE Boot)
Boot Sequence	1.CD-ROM Drive 2.Diskette 3.Hard Drive 4.Legacy LAN Card
Diskette	1.Standard
Hard Drive [Caution]	#50 ID00 LUN0 FUJITSU

* When MultiBoot for HDs is Enabled, the content will be changed depending on the connected device.
 HHDDs to which and OS is installed or a card connected to a HDD to which an OS is installed are given
 the highest setting priority.

■ Parameters in the Advanced menu

Parameters	Setting
Peripheral Configuration	
Serial 1	☆Disabled ☐ Enabled ☐ Auto ☐ OS Controlled
Serial Multiplexer	☐ System ☐ BMC ☐ Shared (Do not set to "Shared")
Serial 2	☐ Disabled ☆Enabled ☐ Auto
Parallel	☐ Disabled ☐ Enabled ◆Auto
Parallel Mode	☐ Printer ☐ Bidirection ☐ EPP ☐ ECP
Diskette Controller	☐ Disabled ☐ Enabled
Floppy Type	◆Local ☐ Remote ☐ Remote Once
Local Bus IDE adapter	☐ Disabled ☐ Primary ☐ Secondary ◆Both
Mouse Controller	☐ Disabled ☐ Enabled ☐ Auto Detect
SCSI Controller	☐ Disabled ☐ Channel A ◆Channel A&B
SCSI Option ROM Scan	☐ Disabled ☐ Enabled
LAN Controller	☐ Disabled ◆Enabled
LAN Remote Boot	☐ Disabled ☐ PXE
PCI Configuration	
PCI SLOTS Configuration	
PCI SLOT 1 Configuration	
Option ROM SCAN	☆Enabled ☐ Disabled
PCI SLOT 2 Configuration	
Option ROM SCAN	☐ Enabled ☐ Disabled
PCI SLOT 3 Configuration	
Option ROM SCAN	☐ Enabled ☐ Disabled
PCI SLOT 4 Configuration	
Option ROM SCAN	☐ Enabled ☐ Disabled
PCI SLOT 5 Configuration	
Option ROM SCAN	☐ Enabled ☐ Disabled
PCI IRQ Configuration	
PCI IRQ Line 1	☐ Disabled ◆Auto ☐ IRQ3 ☐ IRQ4 ☐ IRQ5 ☐ IRQ6 ☐ IRQ7 ☐ IRQ9 ☐ IRQ10 ☐ IRQ11 ☐ IRQ12 ☐ IRQ14 ☐ IRQ15
PCI IRQ Line 2	☐ Disabled ◆Auto ☐ IRQ3 ☐ IRQ4 ☐ IRQ5 ☐ IRQ6 ☐ IRQ7 ☐ IRQ9 ☐ IRQ10 ☐ IRQ11 ☐ IRQ12 ☐ IRQ14 ☐ IRQ15
PCI IRQ Line 3	☐ Disabled ◆Auto ☐ IRQ3 ☐ IRQ4 ☐ IRQ5 ☐ IRQ6 ☐ IRQ7 ☐ IRQ9 ☐ IRQ10 ☐ IRQ11 ☐ IRQ12 ☐ IRQ14 ☐ IRQ15
PCI IRQ Line 4	☐ Disabled ◆Auto ☐ IRQ3 ☐ IRQ4 ☐ IRQ5 ☐ IRQ6 ☐ IRQ7 ☐ IRQ9 ☐ IRQ10 ☐ IRQ11 ☐ IRQ12 ☐ IRQ14 ☐ IRQ15
PCI IRQ Line 5	☐ Disabled ◆Auto ☐ IRQ3 ☐ IRQ4 ☐ IRQ5 ☐ IRQ6 ☐ IRQ7 ☐ IRQ9 ☐ IRQ10 ☐ IRQ11 ☐ IRQ12 ☐ IRQ14 ☐ IRQ15
PCI IRQ Line 6	☐ Disabled ◆Auto ☐ IRQ3 ☐ IRQ4 ☐ IRQ5 ☐ IRQ6 ☐ IRQ7 ☐ IRQ9 ☐ IRQ10 ☐ IRQ11 ☐ IRQ12 ☐ IRQ14 ☐ IRQ15
PCI IRQ Line 7	☐ Disabled ◆Auto ☐ IRQ3 ☐ IRQ4 ☐ IRQ5 ☐ IRQ6 ☐ IRQ7 ☐ IRQ9 ☐ IRQ10 ☐ IRQ11 ☐ IRQ12 ☐ IRQ14 ☐ IRQ15
PCI IRQ Line 8	☐ Disabled ◆Auto ☐ IRQ3 ☐ IRQ4 ☐ IRQ5 ☐ IRQ6 ☐ IRQ7 ☐ IRQ9 ☐ IRQ10 ☐ IRQ11 ☐ IRQ12 ☐ IRQ14 ☐ IRQ15

(continued)

Parameters	Setting
Advanced System Configuration	
PCI Bus Parity Checking	☐ Disabled ☒ Enabled
Memory Redundancy	☐ Disabled ☐ Sparring
Remap PCI Memory Gap *1	☐ Disabled ☐ Enabled
CPU Mismatch Detection	☐ Disabled ☒ Enabled
CPU Timeout Counter	☒ Disabled ☒ Enabled
CPU Frequency (GHz)	☒ Automatic ☐ 3.60 ☐ 3.40 ☐ 3.20 ☐ 3.00 ☐ 2.80
Hyper-Threading	☐ Disabled ☐ Enabled
Limit CPUID functions	☒ Disabled ☐ Enabled
CPU Thermal Management *2	☐ Standard ☒ Enhanced
CPU Halt Mode (C1E)	☒ Standard ☒ Enhanced
NX Memory Protection	☒ Disabled ☒ Enabled
CPU MC Status Clear	☐ Disabled ☐ Enabled ☒ Next Boot
Enhanced SpeedStep *2	☒ Disabled ☒ Enabled
CPU Clock Throttling Delay	☒ No Delay ☐ 1min ☐ 5min ☐ 10min ☐ 20min ☐ 30min ☐ 60min ☐ Never Throttle
USB Host Controller	☐ Disabled ☐ Enabled
USB 2.0 Host Controller	☐ Disabled ☐ Enabled
USB BIOS Legacy Support	☐ Disabled ☐ Enabled
Power On/Off	
Power Off Source	
Software	☐ Disabled ☐ Enabled
Power Button	☐ Disabled ☐ Enabled
Power On Source	☐ BIOS Controlled ☐ ACPI Controlled
Remote	☐ Disabled ☐ Enabled
LAN	☐ Disabled ☐ Enabled
Wake Up Timer	☒ Disabled ☐ Enabled
Wake Up time	(Display only)
Wake Up Mode	(Display only)
Power Failure Recovery	☐ Always On ☐ Always Off ☐ Previous State
IPMI	
SEL Load	Indicates the percentage of SEL that is stored.
Clear System Event Log	☐ Disabled ☐ Enabled
Event Log Full Mode	☐ Overwrite ☐ Maintain
BMC Time Sync	☐ Disabled ☒ Enabled
System Event Log	Refer to the log stored in SEL. Use +/- to change the entry.
SDRR Browser	Refer to sensor information.
LAN Setting	
Local IP address	[nnn.nnn.nnn.nnn]
Subnet mask	[nnn.nnn.nnn.nnn]
Gateway address	[nnn.nnn.nnn.nnn]
Reset Configuration Data	☐ No ☐ Yes
Multiprocessor Specification	☐ 1.1 ☒ 1.4

*1 Set to "Enabled" when installing more than 4GB of memory.

*2 Only displayed when a CPU of 3.6GHz or more is installed.

■ Parameters in the Security menu

Parameters	Setting
Setup Password	Displays the existence or nonexistence of a password
System Password	Displays the existence or nonexistence of a password
Set Setup Password	Set Setup password
Setup Password Lock	☐ Standard ☐ Extended
Set System Password*1	Set System password
System Password Mode	☐ System ☐ Keyboard
System Load	☐ Standard ☐ Diskette/CDROM Lock
Setup Prompt	☐ Disabled ☐ Enabled
Virus Warning	☒ Disabled ☐ Enabled ☐ Confirm
Diskette Write	☐ Disabled ☐ Enabled
Flash Write	☐ Disabled ☐ Enabled

*1 Can be entered when Set Setup Password is set.

■ Parameters in the Server menu

Parameters	Setting
OS Boot Timeout	☐ Disabled ☐ Enabled
Action	☐ Continue ☐ Reset ☐ Power Cycle
Timeout Value	☐ 0 ☐ 1-100 []
ASR&R Boot Delay	☐ 2 ☐ 1-30 []
Power Cycle Delay	☒ 5 ☐ 0-15 []
Boot Retry Counter	☐ 3 ☐ 0-7 []
Diagnostic System	☒ Disabled ☐ Enabled ☐ Disk Not Installed ☐ Remote Image Disk
Temperature Monitoring	☒ Disabled ☐ Enabled
Memory Scrubbing	☐ Disabled ☒ Enabled
CPU Status	
CPU 0 Status	☐ Failed ☐ Disabled ☒ Enabled
CPU 1 Status	☐ Failed ☐ Disabled ☒ Enabled
Memory Status	
Memory Module 0A	☐ Failed ☐ Disabled ☒ Enabled
Memory Module 0B	☐ Failed ☐ Disabled ☒ Enabled
Memory Module 1A	☐ Failed ☐ Disabled ☒ Enabled
Memory Module 1B	☐ Failed ☐ Disabled ☒ Enabled
Memory Module 2A	☐ Failed ☐ Disabled ☒ Enabled
Memory Module 2B	☐ Failed ☐ Disabled ☒ Enabled
Console Redirection	
Console Redirection *1	☐ Disabled ☐ Enabled
Port *1	☐ Serial 1 ☐ Serial 2
Media Type *1	☐ Serial ☐ LAN
Baud Rate *1	☐ 1200 ☐ 2400 ☐ 4800 ☐ 9600 ☐ 19.2K ☐ 38.4K ☐ 57.6K ☐ 115.2K
Protocol *1	☐ VT100 ☐ VT100,8bit ☐ PC-ANSI,7bit ☐ PC-ANSI ☐ VT100+
Flow Control *1	☐ None ☐ XON/XOFF ☐ CTS/RTS
Mode *1	☐ Standard ☐ Enhanced
Rom Pilot	
Rom Pilot Support	☒ Disabled ☐ Enabled
Reset on lost connection *2	☐ Disabled ☐ Enabled
Connect Timeout *2	☐ Low ☐ Medium ☐ high
NIC Slot No. *2	☒ 3 (only displayed and unchangeable)
Server Name *2	[]
Local IP address *2	[000.000.000.000]
Subnet mask *2	[255.255.255.000]
Gateway address *2	[000.000.000.000]
Front End 0 Mode *2	☐ Disabled ☐ Enabled
Front End 0 IP *2	[000.000.000.000]
Front End 1 Mode *2	☐ Disabled ☐ Enabled
Front End 1 IP *2	[000.000.000.000]
Front End 2 Mode *2	☐ Disabled ☐ Enabled
Front End 2 IP *2	[000.000.000.000]

*1 Displayed and can be changed only when Console Redirection is "Enabled".

*2 Displayed only when Rom Pilot Support is "Enabled".

A.3 SCSI Setup Utility Parameters

The marks used in each menu indicate:

□: Parameters ○: Settings at time of purchase ♦: Unchangeable settings

■ Boot Adapter List menu

Parameters	Setting
Boot Order	♦0
Next Boot	♦ON □OFF

■ Global Properties menu

Parameters	Setting
Pause When Boot	♦No □Yes
Boot Information Display Mode	♦Verbose □Terse
Negotiate with devices	♦Supported □All
Video Mode	♦Color □Monochrome
Support Interrupt	♦Hook interrupt, the Default (only displayed and unchangeable)

■ Adapter Properties menu

Parameters	Setting
Host SCSI ID	♦7 □0-7,9-15 []
SCSI Bus Scan Order	♦Low to High (0..Max) □High to Low (0..Max)
Removable Media Support	♦None □Boot Drice Only □With Media Installed
CHS Mapping	♦SCSI Plug and Play Mapping □Alternate CHS Mapping
Spinup Delay (Secs)	○2 □1-15 []
Secondary Cluster Server	♦No □Yes
Termination Control	□Off ♦Auto

A.4 System Resource Chart

The following charts list the I/O port addresses, the IRQs, and DMA channels which can be selected for each expansion card.

■ I/O port addresses

Product name	I/O port address (h)																Setup method
	100	140	180	1C0	200	240	280	2C0	300	340	380	3C0	400				
Serial port 1																	BIOS setup
Serial port 2																	BIOS setup
Parallel port 1																	BIOS setup

Remarks: A maximum of 2 serial ports can be chosen from among the 4 ports

- *   indicate the I/O port address space that can be selected in the expansion card.
-  indicates that some or all of the 16 bytes that follow the marker address may be used
( space selected for default)
-  indicates that some or all of the 32 bytes that follow the marker address may be used
( space selected for default)

A.5 RAID Design Sheet

■ Logical drive information

Logical drive (LSU ^(*))	RAID level	Capacity	Physical drive
(0,0,0,0)	0 ① 5 10	17300MB	(CH=A) ID= ① ① 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=B) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=0) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=1) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
(0,0,2,0)	0 ① 5 10	17300MB	(CH=A) ID= 0, 1, ② ③ 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=B) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=0) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=1) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
(, , ,)	0 1 5 10		(CH=A) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=B) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=0) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=1) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
(, , ,)	0 1 5 10		(CH=A) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=B) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=0) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=1) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
(, , ,)	0 1 5 10		(CH=A) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=B) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=0) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=1) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
(, , ,)	0 1 5 10		(CH=A) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=B) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=0) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=1) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
(, , ,)	0 1 5 10		(CH=A) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=B) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=0) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=1) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
(, , ,)	0 1 5 10		(CH=A) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=B) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=0) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (CH=1) ID= 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

) Shown as "HS(,*,*)" for hot spares

■ Physical pack definition

Installation HDD Bay	SCSI-CH	SCSI-ID	Model name	Capacity	LSU(*)
(Example) Bay(1)	CH= (0)	ID= (0)	PG-HDH71K	73.4GB	(0,0,0,0)
(Example) Bay(2)	CH= (0)	ID= (0)	PG-HDH71K	73.4GB	(0,0,0,0)
(Example) Bay(3)	CH= (0)	ID= (0)	PG-HDH71K	73.4GB	(0,0,2,0)
(Example) Bay(4)	CH= (0)	ID= (0)	PG-HDH71K	73.4GB	(0,0,2,0)
Bay()	CH= ()	ID= ()			(, , ,)
Bay()	CH= ()	ID= ()			(, , ,)
Bay()	CH= ()	ID= ()			(, , ,)
Bay()	CH= ()	ID= ()			(, , ,)
Bay()	CH= ()	ID= ()			(, , ,)
Bay()	CH= ()	ID= ()			(, , ,)
Bay()	CH= ()	ID= ()			(, , ,)
Bay()	CH= ()	ID= ()			(, , ,)

) Shown as "HS(,*,*)" for hot spares

B Design Sheet

When setting up the server using ServerStart, set the default values in advance to ensure setup is performed smoothly.

B.1 RAID Wizard

Parameters		Setting
Configuration Mode		☐ No RAID ☐ Automatic ☐ Manual ☐ Use existing array
For manual and auto setting	Controller Vendor	☐ PG-142E3 ☐ PG-140D1
	Controller Number	(Default - 0)
For manual setting	RAID Level	☐ RAID 0 ☐ RAID 1 ☐ RAID 5 ☐ RAID 10
	Number of Disks	Number: (RAID 0: 2-9, RAID 1: 2, RAID 5: 3-9, RAID 10: 4,6,8)
	HotSpare	☐ Yes ☐ No
For manual and auto setting	Existing RAID Array	☐ Delete

B.2 Disk Wizard

Parameters	Setting	
Controller Type	☐ RAID	☐ SCSI
Disk Number	(Default - 0)	
FileSystem	☐ NTFS	☐ FAT
Quick Format	☐ Yes	☐ No
Label	(Default - SYSTEM)	
Partition Size	☐ Auto setting	☐ MB
Partition Usage	☐ BOOT	☐ OS ☐ DATA
File system	☐ NTFS	☐ FAT
Quick format	☐ Execute	☐ Do not execute
Volume label	(Default - DATA)	
Partition size	☐ Auto setting	☐ MB
Use of partition	☐ BOOT	☐ OS ☐ DATA
File system	☐ NTFS	☐ FAT
Quick format	☐ Execute	☐ Do not execute
Volume label	(Default - DATA)	
Partition size	☐ Auto setting	☐ MB
Use of partition	☐ BOOT	☐ OS ☐ DATA
File system	☐ NTFS	☐ FAT
Quick format	☐ Execute	☐ Do not execute
Volume label	(Default - DATA)	
Partition size	☐ Auto setting	☐ MB
Use of partition	☐ BOOT	☐ OS ☐ DATA
Delete all partitions in displayed disk	☐ Delete	

Make copies when installing multiple disks or more sheets are needed.

B.3 OS Wizard (Windows 2003 Install Wizard)

Parameters	Setting
Install Windows 2003	
Password for Administrator account	
Computer Identification	
Operating System Type	☐ Windows Server 2003, Standard Edition ☐ Windows Server 2003, Enterprise Edition
License Mode	☐ per Seat ☐ per Server
User permitted	(Only when concurrent users are selected)
will participate in	☐ a work group ☐ a domain
Workgroup or Domain Name	(Default - MYUSERGROUP)
User account to create computer account	
User account	
Password	
Installation method	☐ Install Operating System from Local CD ☐ Install Operating System from Remote Server
When installing OS from remote server	
Remote Source Path	
Remote Username	
Remote Password	
Installation Directory and Time zone	
Time Zone	(Default -(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna)
Installation Drive	☐ Use Default ☐ Drive Letter
When selecting drive name	☐ C: ☐ D: ☐ E: ☐ F: ☐ G: ☐ H: ☐ I: ☐ J: ☐ K: ☐ L: ☐ M: ☐ N: ☐ O: ☐ P: ☐ Q: ☐ R: ☐ S: ☐ T: ☐ U: ☐ V: ☐ W: ☐ X: ☐ Y: ☐ Z:
Installation Directory	☐ Use default ☐ Prompt User ☐ Specify now
Installation destination	(Default - \winnt)
User Name	
User Name	
Organization	
Computer Name	
Product-ID	☐ - - - - -
Display settings	
Resolution	☐ 640 * 480 ☐ 800 * 600 ☐ 1024 * 768 ☐ 1156 * 864 ☐ 1280 * 1024 ☐ 1600 * 1200
VRefresh	☐ 60 ☐ 70 ☐ 72 ☐ 75 ☐ 80 ☐ 85 ☐ 100
BitsPerPel	☐ 16 colors ☐ 256 colors ☐ High Color (16bits) ☐ True Color (24bits) ☐ True Color (32bits)

(continued)

Parameters		Setting	
Network protocol			
Installation method		☐ Install Unattended ☐ Install Manually	
Network protocol property (for auto-installation)			
Adapter 1	Connection name		
	Available Protocols	☐ TCP/IP ☐ NWIPX ☐ NetBEUI ☐ Apple Talk ☐ DLC ☐ NetMon ☐ PPTP	
	Use of DHCP (When TCP/IP selected)	☐ Use DHCP	
	D IP-Address		
	o Subnet Mask		
	n Default Gateway		
	o IP address (additional)	(only when added)	
	u Subnet mask (additional)	(only when added)	
	s Default gateway (additional)	(only when added)	
	e DNS domain name	(only when specified)	
	D DNS server address	(only when specified)	
	C Use WINS	☐ Use	
	P WINS server address	DHCP (only when selected to use)	
	NetBIOS Option		☐ Use NetBIOS setting from the DHCP Server ☐ Use NetBIOS over TCP/IP ☐ Do not use NetBIOS over TCP/IP
	Only when NWIPX is selected		
	Internal network number	0x	
	Network number	0x	
	Frame type	☐ Ethernet II ☐ Ethernet 802.2 ☐ Ethernet 802.3 ☐ Ethernet SNAP ☐ Auto-detection	
Adapter 2	Connection name		
	Protocol binding to this adapter	☐ TCP/IP ☐ NWIPX ☐ NetBEUI ☐ Apple Talk ☐ DLC ☐ NetMon ☐ PPTP	
	Use of DHCP (When TCP/IP selected)	☐ Use DHCP	
	D IP Address		
	o Subnet Mask		
	n Default Gateway		
	o IP address (additional)	(only when added)	
	u Subnet mask (additional)	(only when added)	
	s Default gateway (additional)	(only when added)	
	e DNS domain name	(only when specified)	
	D DNS server address	(only when specified)	
	C Use WINS	☐ Use	
	P WINS server address	DHCP (only when selected to use)	
	NetBIOS Option		☐ Use NetBIOS setting from the DHCP Server ☐ Use NetBIOS over TCP/IP ☐ Do not use NetBIOS over TCP/IP
	Only when NWIPX is selected		
	Internal network number	0x	
	Network number	0x	
	Frame type	☐ Ethernet II ☐ Ethernet 802.2 ☐ Ethernet 802.3 ☐ Ethernet SNAP ☐ Auto-detection	

Copy to install multiple adapters.

(continued)

Parameters	Setting
Software Components	
Select installation method	☐ Install default Components ☐ Install customized Components
Only when selecting component to install	
Application and utilities	
Accessories	☐ clipboard viewer ☐ Desktop Wallpaper ☐ Document Template ☐ Paint ☐ All available mousepointers ☐ Word pad ☐ Calculator ☐ Character Map
Accessibility Wizard	☐ Install
Communications	☐ Chat ☐ Hyper Terminal
Application server	
ASP.NET web development platform	☐ Install
Application server console	☐ Install
Internet information services (IIS)	☐ FrontPage 2002 Server Extensions ☐ FTP (File Transfer Protocol) service ☐ NNTP Service - NNTP Service ☐ SMTP Service - SMTP Service ☐ World Wide Web Server - Internet Information Services ASP support - Internet Information Services web DAV publishing - World Wide Web (WWW) Service - Internet Information Services internet data connector - Internet Information Services web user interface
network COM + access	☐ Install
DTC network access	☐ Install
Indexing Server Files	☐ Install
Terminal Services	☐ Install
Terminal Services licensing	☐ Install
Remote install Services	☐ Install
Certificate Service	☐ Install ☐ Server components of the Certificate Services ☐ Web client component of the Certificate Services
POP3 root component	☐ Install ☐ POP3 main service ☐ POP3 web user interface
FTP service property (Only when FTP service is selected)	
FTP site directory	(Default - \\netpub\\ftproot)
WWW service property (Only when WWW service is selected)	
WWW server directory	(Default - \\netsrv\\WWWroot)
Terminal server property (Only when terminal server is selected)	
Terminal service	☐ Permit remote desktop during unattended setup
Authorize the following access permits to terminal service users	☐ Access permit compatible with Windows 2000 Users ☐ Access permit compatible with Terminal Server 4.0 Users
License mode	☐ Number of simultaneous users ☐ Number of connected sessions
Current mode for terminal service	☐ Application server mode ☐ Remote management mode

(continued)

Parameters	Setting
Services	
Other network File and Print Services	☐ Services for Macintosh (SFM) ☐ Print Service for Macintosh ☐ Print Service for UNIX
Networking Services	☐ WINS Server ☐ Internet Authentication Service (IAS) ☐ MS DNS Server ☐ Simple TCP/IP Service ☐ MS DHCP Server
Management and Monitoring Tools	☐ Network Monitor tools ☐ SNMP Service (Required to install SNMP-ServerView)
SNMP details (Only when SNMP is selected)	
Trap	
Community name	
Trap destination	
Security	
Send authentication trap	☐ Send
Receivable community name	
Receive SNMP packet from all hosts	☐ Receive
Host name	(only when specified)
Agent	
Contact	
Address	
Service	☐ Physical ☐ Datalink and sub network ☐ End-to-End ☐ Application ☐ Internet

(continued)

Parameters	Setting
Active Directory details setting (only when DNS is selected)	
Install Active Directory	☐ Install
Active Directory type	☐ Create a domain in a new forest ☐ Additional domain controller of the existing domain ☐ Create a new child domain under the existing domain tree ☐ Create a new domain tree in the existing forest
Database folder	
Log folder	
SYSVOL folder location	
Compatibility with Windows 2000 or earlier server OS	☐ Permit
Create a domain in a new forest (only when selected)	
Complete DNS name of the new domain	
Domain NetBIOS name	
Additional domain controller of the existing domain (only when selected)	
User name	
Password	
Domain	
Complete DNS name of the existing domain	
Create a new child domain under the existing domain tree (only when selected)	
User name	
Password	
Domain	
Complete DNS name of the parent domain	
New child domain name	
Domain NetBIOS name	
Create a new domain tree in the existing forest (only when selected)	
User name	
Password	
Domain name	
Complete DNS name of the new domain	
Domain NetBIOS name	

B.4 OS Wizard (Windows 2000 Install Wizard)

Parameters	Setting
Install Windows 2000	
Password for Administrator	
Computer identification information	
OS	☐ Windows 2000 Server ☐ Windows 2000 Advanced Server
License mode	☐ Number of connected devices or connected users ☐ Number of concurrent users
Number of simultaneous connection	(Only when concurrent users are selected)
Participation	☐ Work group ☐ Domain
Work group or domain name	(Default - MYUSERGROUP)
User account to create computer account (only when Domain is selected)	
User account	
Password	
Installation method	☐ Install the OS from the local CD ☐ Install the OS from the remote server
Install the OS from the remote server	
Remote source path	
User name on the remote server	
Password on the remote server	
Time zone and installation drive	
Select time zone	(Default -(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna)
Installation drive	☐ Use default ☐ Drive name
When selecting drive name	☐ C: ☐ D: ☐ E: ☐ F: ☐ G: ☐ H: ☐ I: ☐ J: ☐ K: ☐ L: ☐ M: ☐ N: ☐ O: ☐ P: ☐ Q: ☐ R: ☐ S: ☐ T: ☐ U: ☐ V: ☐ W: ☐ X: ☐ Y: ☐ Z:
Installation directory	☐ Use default ☐ Specify during installation ☐ Specify in advance
Installation destination	(Default - \winnt)
User information	
Name	
Company name	
Computer name	
Product-ID	☐ - - - - -
Display setting	
Display area	☐ 640 * 480 ☐ 800 * 600 ☐ 1024 * 768 ☐ 1156 * 864 ☐ 1280 * 1024 ☐ 1600 * 1200
Refresh frequency	☐ 60 ☐ 70 ☐ 72 ☐ 75 ☐ 80 ☐ 85 ☐ 100
Display color	☐ 16 colors ☐ 256 colors ☐ High Color (16bits) ☐ True Color (24bits) ☐ True Color (32bits)

(continued)

Parameters		Setting	
Network protocol			
Installation method		☐ Auto-installation ☐ Install driver only	
Network protocol property (when auto-installation is selected)			
A d a p t e r 1	Connection name		
	Protocol binding to this adapter		
	☐ TCP/IP ☐ NWIPX ☐ NetBEUI ☐ Apple Talk ☐ DLC ☐ NetMon ☐ PPTP		
	Use DHCP (when TCP/IP is selected)		
	☐ Use		
	D i s t r i b u t e d	IP address	
		Subnet mask	
		Default gateway	
		IP address (additional)	(only when added)
		Subnet mask (additional)	(only when added)
		Default gateway (additional)	(only when added)
		DNS domain name	(only when specified)
		DNS server address	(only when specified)
	Use WINS	☐ Use	
	WINS server address	(only when selected to use WINS)	
	NetBIOS option		
	☐ Use NetBIOS setting from DHCP server ☐ Enable NetBIOS over TCP/IP ☐ Disable NetBIOS over TCP/IP		
	Only when NWIPX is selected		
	Internal network number	0x	
	Network number	0x	
Frame type	☐ Ethernet II ☐ Ethernet 802.2 ☐ Ethernet 802.3 ☐ Ethernet SNAP ☐ Auto-detection		
A d a p t e r 2	Connection name		
	Protocol binding to this adapter		
	☐ TCP/IP ☐ NWIPX ☐ NetBEUI ☐ Apple Talk ☐ DLC ☐ NetMon ☐ PPTP		
	Use of DHCP (When TCP/IP selected)		
	☐ Use		
	D i s t r i b u t e d	IP address	
		Subnet mask	
		Default gateway	
		IP address (additional)	(only when added)
		Subnet mask (additional)	(only when added)
		Default gateway (additional)	(only when added)
		DNS domain name	(only when specified)
		DNS server address	(only when specified)
	Use WINS	☐ Use	
	WINS server address	(only when selected to use WINS)	
	NetBIOS option		
	☐ Use NetBIOS setting from DHCP server ☐ Enable NetBIOS over TCP/IP ☐ Disable NetBIOS over TCP/IP		
	Only when NWIPX is selected		
	Internal network number	0x	
	Network number	0x	
Frame type	☐ Ethernet II ☐ Ethernet 802.2 ☐ Ethernet 802.3 ☐ Ethernet SNAP ☐ Auto-detection		

Copy to install multiple adapters.

(continued)

Parameters	Setting
Software component	
Select installation method	☐ Install standard component ☐ Select component to install
Only when selecting component to install	
Service	☐ (IIS) common component ☐ (IIS) online help ☐ FTP (File Transfer Protocol) server ☐ Internet service manager (HTML) ☐ Internet information service snap-in ☐ NNTP Service ☐ SMTP Service ☐ WWW (World Wide Web) server ☐ Remote install service ☐ Remote storage ☐ Terminal service ☐ Terminal service license ☐ Terminal service
FTP site directory	(Default - \Inetpub\Ftproot)
WWW server directory	(Default - \Inetsrv\WWWroot)
Communication	Setting
Multimedia	☐ CD player ☐ Media player ☐ Utopia sound setting ☐ Sound recorder ☐ Volume control ☐ Sample sound
Accessory	☐ Accessibility setting wizard ☐ Character code table ☐ Calculator ☐ Paint ☐ Word pad ☐ Document templates ☐ Script debugger ☐ Object packager ☐ Desktop wallpaper ☐ Mouse pointer
Game	☐ Free cell ☐ Mine sweeper ☐ Pinball ☐ Solitaire
Service	
Service	☐ Simple Network Management Protocol (SNMP) ☐ Domain Name System (DNS) ☐ Dynamic Host Configuration Protocol (DHCP) ☐ Windows Internet Name Service (WINS) ☐ Simple TCP/IP service ☐ Network monitor tool ☐ Internet authentication service ☐ Site Server ILS service ☐ Print service for UNIX ☐ Print service for Macintosh ☐ Connection manager component ☐ File service for Macintosh

(continued)

Parameters	Setting
SNMP details (only when SNMP is selected)	
Trap	
Community name	
Trap destination	
Security	
Send authentication trap	☐ Send
Receivable community name	
Receive SNMP packet from all hosts	☐ Receive
Host name	(only when specified)
Agent	
Contact	
Address	
Service	☐ Physical ☐ Datalink and sub network ☐ End-to-End ☐ Application ☐ Internet
Active Directory details setting (only when DNS is selected)	
Install Active Directory	☐ Install
Active Directory type	☐ Create a new forest of a domain tree ☐ Add additional domain controller of the existing domain ☐ Add a new child domain under the existing domain tree ☐ Place a new domain tree in the existing forest
Database location	
Log location	
SYSVOL folder location	
Access permit compatibility with Windows 2000 or earlier server	☐ Permit
Create a new forest of a domain tree (only when selected)	
Complete DNS name of the new tree	
Domain NetBIOS name	
Add additional domain controller of the existing domain (only when selected)	
User name	
Password	
Domain	
Complete DNS name of the domain	
Add a new child domain under the existing domain tree (only when selected)	
User name	
Password	
Domain	
Parent domain name	
Child domain name	
Domain NetBIOS name	
Place a new domain tree in the existing forest (only when selected)	
User name	
Password	
Domain name	
Complete DNS name of the new tree	
Domain NetBIOS name	

B.5 Application Wizard

Parameters	Setting
Installable applications	☐ Windows 2000 service pack ☐ ServerView ☐ DSNAP
Userspecific Command	(only when selecting additional software)
Installation method	☐ Install selected application from Local CD ☐ Install selected application from Remote Server
When installing from remote server	☐ Install ☐ Do not install
Remote Source Path	
Remote Username	
Remote Password	

C Accident Sheet

Name(Product ID)	☐ PRIMERGY TX200 S2 (PG)		
OS			
Environment			
LAN/WAN config.			
DATE/TIME			
Phase of accident	What did you do?, what message? etc.		
		Attached paper	Yes/No

PRIMERGY TX200 S2

Configuration Sheets
B7FH-3071-03ENZ0-00

Issued on July, 2005

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