Fujitsu single chip 20-port 10GbE solutions, highly integrated and flexible 1U high Switches
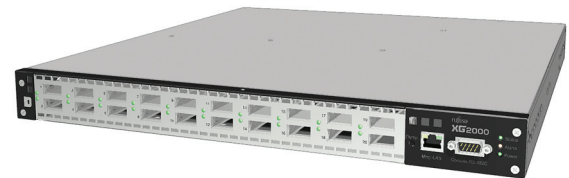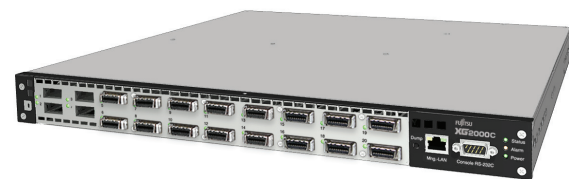
10GbE
Ultra-low Latency Switches
XG2000 Series

High Performance 10GbE Layer 2 Switching

▶ Offers industry-leading low latency in 10GbE Switching (300ns latency)

▶ Delivers 400Gbps non-blocking throughput performance

▶ Available as 20-port XFP optical solution or 16 CX4 ports, with 4 additional ports of XFP optics in compact 1U form factor

▶ On-chip 3MB proprietary, multi-stream buffer for full bandwidth performance

▶ Flexible XFP interfaces (CX4, SR and LR) allow you to build the ideal network architecture for your requirements

XG2000

XG2000C

FUJITSU

THE POSSIBILITIES ARE INFINITE

Virtual LANs
Port-based and Tag-based VLAN
Multi-tagged VLAN (Q-in-Q)
User-defined VLAN ID/VLAN priority
DiffServ Class (IPv4, IPv6)
Ingress Filtering

Administration
Industry standard Command Line Interface with command help and completion
Serial or 10/100 BASE-T Ethernet Telnet session
TFTP client
SYSLOG server support
SNMP (v1/v2)
RMON (Statistics, History, Alarms, Events)

Spanning Tree Protocol
STP/RSTP

Link Aggregation
Static or LACP

Jumbo Frame Support
9KB/12KB/15KB/16KB

Congestion Management
Pause frame flow control

IGMP
IGMP Snooping

Security Features
Multiple accounts with class privileges
SSH (v2)
Port security
RADIUS/TACACS+

IEEE Compliance
802.3ae   10GbE fiber
802.3ak   10GbE CX4
802.3ad   Link Aggregation
802.1D   MAC Bridges - Spanning Tree Protocol (STP, RSTP)
802.1D   MAC Bridges - Unicast/Multicast forwarding
802.1D   MAC Bridges - Aging/Learning
802.1Q   VLAN (virtual LAN)
802.1p   QoS (8 classes, 4 queues)
802.3x   Pause Frame Flow Control

RFC Compliance
RFC768   User Datagram Protocol
RFC783   Trivial File Transfer Protocol
RFC791   Internet Protocol
RFC792   Internet Control Message Protocol
RFC793   Transmission Control Protocol
RFC854   Telnet Protocol Specification
RFC1042   IPv4 Transmission
RFC1157   Simple Network Management Protocol (SNMP)
RFC1212   Concise MIB definitions
RFC1213   MIB-2 SNMP group

RFC1215   Traps for SNMP
RFC1492   TACACS+
RFC1493   Bridges MIB
RFC2474   DiffServ IPv4 and IPv6 Headers
RFC2475   DiffServ
RFC2665   Ethernet-Like MIB
RFC2674   P-Bridge & Q-Bridge MIBs
RFC2819   RMON MIB (Statistics Group)
RFC2863   IF MIB
RFC2865   RADIUS
RFC3164   BSD Syslog Protocol
RFC3418   MIB-2 System Group
RFC3376   IGMP, v3
RFC3577   RMON MIBs
RFC4594   DiffServ Class Configuration

RoHS
EU RoHS compliant with Pb exemption (RoHS 5)

Physical Characteristics
20 ports, 10GbE, 300ns latency, 400Gbps non-blocking Layer 2 switching operation
1 DB-9M RS232 console/management port
1 RJ45 10/100 BASE-T Ethernet management port
Status and Fault LED Indicators front and rear

Dimension (W x D x H)
440mm x 480mm x 43.8mm
17.3" x 18.9" x 1.72"
1 RU high, 19" rack mountable
Hot pluggable and redundant power supplies and cooling fans

Weight
14kg (30lbs)

AC Voltage/Current Requirements
100-240V - 50/60 Hz 2.0-1.0A

Power Consumption
XG2000   less than 145W
XG2000C less than 110W

Operating Specification
Temperature: 5° to 40° Celsius
Humidity: 20 - 80% RH (non-condensing)

Non-Operating Specification
Temperature: 0° to 50° Celsius
Humidity: 8 - 80% RH (non-condensing)

Included Accessories
4-post rack mount kit with fasteners
2 power cords
Serial crossover cable
Hardware/Installation Guide
User Guide (CD)

Warranty
3 year return to factory warranty

XG2000

XG2000C

Part Number	Description
XG2000	20-port XFP Optical 10GbE Switch (XFPs sold separately)
XG2000C	20-port Copper (16 ports CX4 with 4 additional ports of XFP optics) 10GbE Switch (XFPs sold separately)
XG2000CR	XG2000C product with fans reversed
XG2000FAM-OOW-YR1	XG2000 Family additional one year of warranty (total of 4 years)
XG2000FAM-OOW-YR2	XG2000 Family additional two years of warranty (total of 5 years)
Accessories	
XFPCX4	CX4 XFP
XFPSR	SR XFP
XFPLR	LR XFP

FSC

Printed in the U.S.A.   Part No. DSXG20000709

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