

10GbE Ultra-low Latency Switches XG2000 Series

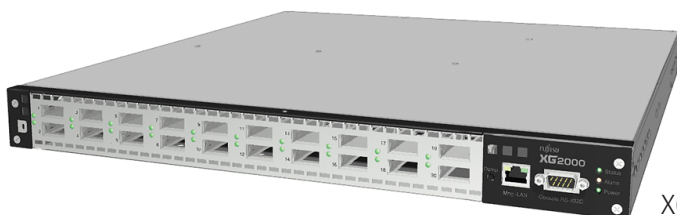
High Performance 10GbE Layer 2 Switching

Fujitsu single chip 20-port 10GbE solutions, highly integrated and flexible 1RU high Switches

- ▶ 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



XG 2000C



XG 2000



XG2000 Switches

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

XG2000 Series Specifications

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
SNMP (v1/v2)
RMON (Statistics, History, Alarms, Events)
NTP

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 (v1/v2/v3)

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

For more information, call us at 877-766-7545 or visit us at: <http://us.fujitsu.com/ethernet>
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