

Refurbished CISCO SMFLR-1-155-SFP Datasheet

CISCO > SWITCHES

Cisco MGX 8800 Series Switches

Product Specifications

Layer 1 (Physical Layer) Feature Summary (continued)

Layer 2 (ATM) Feature Summary

Configurable for trunk, Network-to-Network Interface (NNI), or UNI application
 Conformant to ATM Forum UNI 3.0, 3.1, and 4.0 and ITU-T I.361 and I.432 specifications
 Supports up to 16 CoS queues for IP and ATM traffic and includes all ATM Forum traffic-type services: ABR, unspecified bit rate (UBR), non-real-time variable bit rate (VBR-nrt), real-time variable bit rate (VBR-rt), constant bit rate (CBR); ABR supported with explicit forward congestion indicator (EFCI), RM marking, and explicit-rate stamping; supports ABR virtual source and destination
 Supports Integrated Local Management Interface (ILMI) 4.0
 Complies with standard usage parameter control (UPC) as specified by ATM Forum UNI 3.0 and 4.0, TM 4.1, and ITU-T I.371
 Supports early packet discard (EPD), Weighted Random Early Detection (WRED), and partial packet discard (PPD)
 Supports virtual circuit connections (VCCs) and virtual path connections (VPCs)
 Supports up to 128,000 connections per 16-port ATM switch service module controlled by PNNI
 Supports virtual path identifier (VPI) and virtual circuit identifier (VCI) range for VCCs and VPCs per UNI 3.1
 Supports virtual circuit merge, per-virtual-circuit and per-virtual-path shaping, and multipoint connections
 Virtual trunks
 Supports a maximum of 128 virtual interfaces per module; the interfaces can be ports, trunks, or virtual trunks, and each virtual interface supports 16 CoS queues
 Cell buffering
 Supports 4 million cells of buffering to accommodate large traffic bursts and avoid network congestion and cell discard; suitable for TCP/IP traffic
 Support for dynamic routing using PNNI 1.0
 Offers an automatic end-to-end connection management mechanism
 Deterministically allocates bandwidth and reroutes connections autonomously over optimum network paths
 Preserves service integrity during network failure
 Offers E.164 and network-service-access-point (NSAP) addressing
 Offers support for SVC and SVP and for SPVC and SPVP
 Offers quality-of-service (QoS) based routing
 Enhanced call admission control
 A user-programmable Enhanced Call Admission Control (E-CAC) feature determines whether to admit or deny connections based on the requested QoS.

Layer 2 (ATM) Feature Summary (continued)

Statistics
 Statistics supported per connection
 Diagnostic statistics available per interface and CoS queues
 Operation, administration, and management
 F4 to F5 fault propagation
 In-band diagnostics support using loopback cells
 In-band continuity check and automatic fault reporting for PVCs
 Loopback facility support for diagnostics and self-test purposes

Network Management

Managed by Cisco WAN Manager software suite
 Based on Simple Network Management Protocol (SNMP)

Power

Input power required: -48 VDC
 Power consumption: 114W

Physical Dimensions

H x D: 15.83 x 15.65 in. (40.20 x 39.75 cm)

Weight

6.5 lb (2.95 kg)

Environmental Conditions

Storage temperature: -40 to 158°F (-40 to 70°C)
 Operating temperature:
 Normal: 41 to 104°F (5 to 40°C)
 Short term: 23 to 122°F (-5 to 50°C)
 Relative humidity:
 Normal: 5 to 85%
 Short term: 5 to 90% but not to exceed 0.024 kg (0.048 lb) of water per kg (lb) of dry air
 Short term refers to a period of not more than 96 consecutive hours and a total of not more than 15

days in 1 year

Compliance and Agency Approvals

Safety standards	UL/CSA/IEC/EN 60950-1 IEC/EN 60825 Laser Safety ACA TS001 AS/NZS 60950 FDA-Code of Federal Regulations Laser Safety
EMI	FCC Class A ICES 003 Class A AS/NZS 3548 Class A CISPR 22 (EN55022) Class A VCCI Class A BSMI Class A IEC/EN 61000-3-2: Power Line Harmonics IEC/EN 61000-3-3: Voltage Fluctuations and Flicker
Immunity (basic standards)	IEC/EN-61000-4-2: Electrostatic Discharge Immunity (8 kV Contact and 15 kV Air) IEC/EN-61000-4-3: Radiated Immunity (10 V/m) IEC/EN-61000-4-4: Electrical Fast Transient Immunity (2 kV AC Power and 1 kV DC Power) IEC/EN-61000-4-5: Surge AC Port (2 kV CM and 2 kV DM) IEC/EN-61000-4-5: Signal Ports (1 kV) IEC/EN-61000-4-5: Surge DC Port (1 kV) IEC/EN-61000-4-6: Immunity to Conducted Disturbances (10 Vrms) IEC/EN-61000-4-8: Power Frequency Magnetic Field Immunity (30 A/m) IEC/EN-61000-4-11: Voltage DIPS, Short Interruptions, and Voltage Variations
Network Equipment Building Systems (NEBS)	This product is designed to meet the following requirements (qualification in progress): SR-3580: NEBS Criteria Levels (Level 3) GR-1089-CORE: NEBS EMC and Safety GR-63-CORE: NEBS Physical Protection
Telcordia CLEI	GR-485-CORE: CLEI coding GR-383-CORE: CLEI code product label GR-209-CORE: PCN process

The next steps...

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