SF2400G | 617056-001-00

Base Product

CommScope FLX™ ONU, ITU based data only bridge ONU for indoor commercial and residential customer premises applications

PRELIMINARY SPECIFICATION

The CommScope FLX™ 1Gb/s GPON ONU, Model SF2400G is an ITU-T based open OMCI data only GPON ONU for indoor commercial and residential customer premise applications. The ONU provides operators with an off-the-shelf plug and play high-speed service access and distribution device for deployment with CommScope's GPON Optical Line Terminal (OLT) platforms.

The ONU requires minimal setup and configuration to enable operation. For connection to various subscriber-side premises equipment, the unit supports four auto-sensing RJ-45 copper ports, at 100/1000BaseT. The ONU supports bridged mode operation, with standards and protocol support to enable numerous commercial services and premise demarcation applications. With open OMCI provisioning support, the ONU is designed to support multi-vendor interoperability with GPON OLT vendor systems.

Key Features:

- GPON ITU-T G.984 compliant ONU, data-only, bridge ONU, for indoor commercial and residential services applications
- Open OMCI based management for provisioning of data, IPTV, and VOIPfeatures
- IPv6 Support
- Advanced Quality of Service features ensure optimal data and VoIP communications
- SC/APC (Green) Optical Interface
- Four 1GE subscriber facing UNI LAN ports
- Secure data transport with 128-bit AES encryption
- ONU Power Supplies with regional plug style options

Ordering information: The Orderable Part Numbers are in Bold.
ONU SF2400G is offered in four kit configurations with regional power plug options. (US, UK, EU, AU)

- **620678-001-00** includes: SF2400G (617056-001-00), and US style plug (United States)
- **620678-002-00** includes: SF2400G (617056-001-00), and UK style plug (United Kingdom)
- **620678-003-00** includes: SF2400G (617056-001-00), and EU style plug (European Union)
- **620678-004-00** includes: SF2400G (617056-001-00), and AU style plug (Australia)

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Product Type	PON ONU unit
Product Brand	CommScope FLX™

General Specifications

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LED Indicator, PWR	Dark = Power Off | Green = Power On
LED Indicator, PON	Flickering Green = Negotiating with OLT | Red = No PON Signal | Solid Green = Traffic Enabled
LED Indicator, LAN	Flickering Green = Active Ethernet traffic | Green = Connected to link, no data traffic | Off = No Ethernet link
Provisioning and Monitoring	Open OMCI Management
Transmission Standards	GPON ITU-T G.984 | IEEE 802.3ah | IEEE 802.3az | IEEE 802.3u | IEEE 802.3z

Dimensions

Height	32 mm | 1.26 in
Width	159 mm | 6.26 in
Length	109 mm | 4.291 in

Electrical Specifications

Electrical Interfaces	4x1G RJ45 connectors capable of 1GigE or 100M or 10M | LAN Port Surge Protection +/- 2.5kV
Electrical Safety Standard	CAN/UL62368-1 | CE | ETL | IEC/EN 62368-1 | cETL
Electromagnetic Compatibility/Interference (EMC/EMI)	AS/NZS CISPR 32.2015 | EMC/EMI: FCC 47 CFR 15, Sub Part B, Class B | EN55035 | EN555032 | FCC Class B | Surge compliant with K.21 2020, 2.5KV(1.2/50us, common mode) | VCCI-CISPR 32:2016
Power Consumption, maximum	3.3 W
Power Supply	External 12V/1.5A power supply with Input Voltage 110-240Vac, 50 - 60Hz, with regional power supply plug options (US, UK, EU, AU)

Optical Specifications

Optical Port Interface	SC/APC
Optical Power	Downstream: 1490nm Rx (5nm window) | Input power: -8 dBm to -29dBm | Output power: 0.5 dBm to +5.0 dBm | Upstream: 1310nmTx (7nm window)

Environmental Specifications

Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative Humidity	10%–85%, non-condensing

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Energy Efficiency Standard   CoC V7 | Energy Efficiency Level 6

Packaging and Weights

Weight, net   0.635 kg | 1.4 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
RCM	Compliant to electrical safety & telecommunications requirements
ROHS	Compliant
UK-ROHS	Compliant

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