

CommScope FLX™ ONU SF2400E Kit

1Gb/s EPON ONU DPoE, kit includes Power Supply, AC Cord, and Quick Start Guide in Japanese



FEATURES AND BENEFITS

- IEEE 802.3ah EPON, data-only, bridge ONU, for indoor commercial and residential services applications
- Data services and service flows configurable with DPoE V2.0 for OLT interoperability and PON link management
- IPv6 Support
- Advanced Quality of Service features ensure optimal data and VoIP communications
- SC/UPC (Blue) Optical Interface
- 1.25 Gb/s symmetrical or 2.5/1.25 Gb/s Turbo mode operation
- Four 1GE subscriber facing UNI LAN ports
- 2.5kV LAN Port surge protection
- Secure data transport with 128-bit AES encryption
- ONU Power Supply and AC Cord for Japan market
- Quick Start Guide in Japanese

PRODUCT OVERVIEW

The 1Gb/s EPON, CommScope FLX ONU Model SF2400E is a DPoE based, data-only, 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 operating with CommScope 10G/1G EPON Optical Line Terminal (OLT) platforms. The 1G EPON ONU requires minimal setup and configuration to enable operation and provides support for both 1.25/1.25 GB/s symmetric and 2.5/1.25 Gb/s asymmetric EPON modes of 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 DPoE v2 provisioning support, the ONU is designed to support multi-vendor interoperability with EPON OLT systems.

Specifications

Characteristics	Specification
Physical	
Dimensions	109mm x 159mm x 32mm, LWH
Weight	0.29kg
Environmental	
Operating temperature range	0° to +40° C
Storage temperature range	-40° C to +70° C
Humidity	10% to 85% Relative Humidity, Non-Condensing
Power Requirements	
Powering	External 12VDC/2.5A power supply with Input Voltage 90-132Vac for Japan , 50 - 60Hz
Power Consumption	3.3 W
General	
LAN Interface	4x1G RJ45 connectors capable of 1GigE or 100M or 10M. LAN Port Surge Protection +/- 2.5kV
Standards	IEEE 802.3ah, IEEE 802.3u, IEEE 802.3az, IEEE802.3z 1000BASE-T, and 100BASE-TX
Link	Support 100/1000Mbps auto-negotiation, full-duplex and 100M half-duplex operation Support MDI/MDIX auto detection, IEEE fast retrain and link monitoring
Optical Interface	SC/UPC (Blue) optical connectors
Optical Power	Downstream: 1490nm Rx (5nm window), Input power: -8dBm to -29dBm Upstream: 1310nmTx (7nm window), Output power: 0.5 dBm to +5.0 dBm
LED Indicators and Descriptions	
PWR	Green: Off: No Power. Green: Power applied
PON	Green/Red: Red: No PON Signal. Flickering Green: Negotiating with OLT. Solid Green: Traffic Enabled
LAN1, LAN2, LAN3, LAN4	Green: Off: No Ethernet link. Solid Green: Connected to link and no data passing. Flickering Green: Active Ethernet traffic
Provisioning and Monitoring	
DPoE	DPoE v2.0 Standards Based Operation
Regulatory and Safety	
	FCC, IC, CB, ETL/cETL, CE, VCCI, RCM, NOM, BSMI
EMC/EMI	F FCC Class B, EN555032, EN55035, VCCI-CISPR 32:2016, AS/NZS CISPR 32.2015 , EMC/EMI: FCC 47 CFR 15, Sub Part B, Class B; Surge compliant with K.21 2020, 2.5KV(1.2/50us, common mode)
Safety	IEC/EN62368-1, CAN/UL62368-1
ENV Compliance	RoHS, Energy Efficiency Level 6, CoC V7

Ordering information

Part Number	Description
Physical	
617049-002-00	ONU SF2400E Kit, 1G EPON ONU, 4x1G LAN Ports, SC/UPC, includes Power Supply, AC Cord, Quick Start Guide in Japanese

Related Products

XE4202 Remote OLT	10G EPON Optical Line Terminal (R-OLT) for NH series nodes and VHub/UVHubs in a triple-wide module. Two pluggable network uplink interfaces for 10GigE SFP+ and two pluggable access interfaces for 10G EPON XFPs. Network interface SFP+ and 10G EPON XFP plug-in transceiver modules purchased separately.
OLT Manager Application	Server based EPON Network Management Software application
XFP OLT PON Transceivers	Compatible with R-OLT Optical Modules
SFP+ OLT Network Transceivers	Compatible with R-OLT Optical Modules



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