Approved Networks
A brand of ⌐legrand®

C1-TXM-MPOLT-01(X)
10GBASE, SFP+, XGS-PON/EPON, OLT, SMF TRANSCEIVER
1577nm/1270nm, SC/UPC CONNECTOR

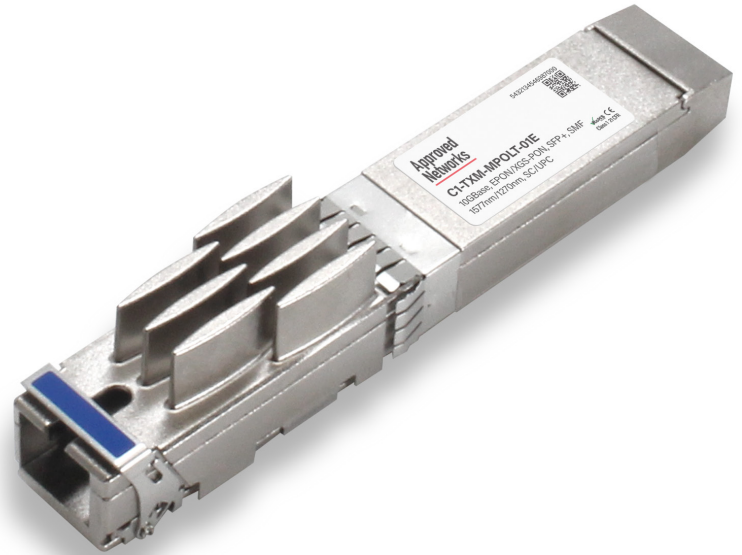Approved Networks │ Champion ONE │ U.S. Critical

Features:

- World's Only Hot-Pluggable OLT

- SFP+ 10G Optical Transceiver with Embedded Universal Ethernet-to-PON MAC Bridge

- Software Configurable, Symmetric 10G/10G Rates for XGS-PON or 10G EPON Protocols

- In XGS-PON Mode: Compliant With ITU-T G.9807.1 Specifications

- In EPON Mode: Compliant With IEEE802.3av, SIEPON, DPoE, and PON AES Specifications

- IEEE 802.1AE MACSec Uplink Encryption

- In-Band Management via Ethernet Link OAM (IEEE 802.3 Clause 57)

- Supports up to 2K Services per OLT

- IEEE 1588v2 & SyncE Timing & Sync Support

- XGS Class N2/EPON PR30+ Optical Power Budget
  -- 1577nm Cooled EML DFB Laser
  -- 1270nm APD/TIA Burst Receiver

- Integrated Digital Diagnostics And Monitoring (SFF-8472), and Burst RSSI

- Single Fiber SC/UPC Receptacle

- E-Temp Option with -40°C Cold Start-Up

- Industry-Unique Modularity and Scalability

Applications:

- Central Office/Residential PON Access

- High-bandwidth Enterprise PON connectivity

- Ethernet switch PON extension/co-location

- Outside plant PON Access Bridge connectivity

- Cable MSO CCAP PON Connectivity

- Remote DOCSIS PHY

- Wireless Bakhaul

- MDU-located PON Bridge

1. Overview
Approved Networks has teamed up with TiBit Communications to offer the world's only configurable ITU-T XGS-PON or IEEE 10G EPON hot-pluggable SFP+ Optical Transceiver with a built-in 10G Ethernet-to-PON MAC bridge. It uses 10G XGS/EPON optics to enable 10G PON solutions at a fraction of the cost of fixed format OLT chassis and pizza boxes.

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This 10G OLT plugs into commercially-available Ethernet switches or other Ethernet-enabled networking equipment with SFP+ sockets, enabling them to become part of any 10G PON network.

The modularity and remote management capabilities of this SFP+ OLT make it ideally suited for virtualized PON management solutions and Software Defined Network (SDN) implementations such as the Open Networking Foundation's CORD and Broadband Forum OB-BAA. The MicroPlug™ OLT enables service providers to quickly deploy high-bandwidth services in an agile, elastic, and scalable way.

This technology requires less space and power than any other OLT product on the market, including very high capacity deployments.

2. Ordering Information

Part Number	Link Budget	Case Temperature
C1-TXM-MPOLT-01C	Class N2/PR30+	0°C to 70°C
C1-TXM-MPOLT-01E	Class N2/PR30+	-20°C to 75°C

3. Contact Information

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