![Champion ONE logo - C1 CHAMPION ONE™]

10G EPON/XGS-PON MicroPlug OLT SFP+ Transceiver

Champion ONE has teamed up with Tibit Communications to offer the world's first pluggable OLT transceiver for 10G XGS-PON and 10G EPON applications. This revolutionary transceiver can plug directly into a commercially-available Ethernet switch with SFP+ ports, offering a cost-effective, scalable alternative to dedicated OLT equipment. This technology also requires less space and power than any other OLT product, and its modular and remote management capabilities make it an ideal fit for virtualized PON (vPON) solutions and software-defined networking (SDN) implementations.

Powered by

TiBiT communications inc

Key Features and Benefits

- SFP+ optical transceiver with embedded Universal Ethernet-to-PON MAC bridge

- Software-configurable symmetric 10G/10G rates for XGS-PON or 10G EPON

- Compliant with ITU-T G.9807.1 (XGS-PON mode) and IEEE 802.3av, SIEPON, DPoE, and PON AES (EPON mode)

- IEEE 802.1ae MACSec uplink encryption

- In-band management via Ethernet Link OAM (IEEE 802.3 clause 57)

- Supports up to 128 subscribers and 2k services per OLT

- IEEE 1588v2 and SyncE timing and sync support

- XGS Class N2/EPON PR30+ optical power budget (1577nm cooled EML DFB laser, 1270nm APD/TIA burst receiver)

- Integrated DDM (SFF-8472) and burst RSSI

- Single fiber SC/UPC receptacle

- E-temp option with -40°C cold startup

Applications

- CO/Residential PON access

- High-bandwidth enterprise PON connectivity

- Ethernet switch PON extension/colocation

- OSP PON access bridge connectivity

- Cable MSO CCAP PON connectivity

- Remote DOCSIS PHY

- Wireless backhaul

- MDU located on PON bridge

Ordering Information

C1 Part Number	Description
C1-TXM-MPOLT-01C	10G XGS-PON/EPON OLT SFP+ Transceiver, Class N2/PR30+, C-temp (0 to 70°C)
C1-TXM-MPOLT-01E	10G XGS-PON/EPON OLT SFP+ Transceiver, Class N2/PR30+, E-temp (-20 to 75°C)
C1-TXM-MPOLT-05I	10G XGS-PON/EPON OLT SFP+ Transceiver, Class N1/PR10+, I-temp (-40 to 85°C)