DATA SHEET

10G EPON/XGS-PON MicroPlug ONU/ONT SFP+ Transceiver

Champion ONE has teamed up with Tibit Communications to offer a pluggable ONU/ONT transceiver for 10G XGS-PON and 10G EPON applications. This revolutionary transceiver can plug directly into a commercially-available Ethernet switch with SFP+ ports, 4G/5G base stations, or other enterprise solutions, thereby reducing the need for PON-specific equipment. In Autoboot mode, this ONU can be paired with a MicroPlug OLT for a plug-and-play PON deployment without manual provisioning and SLA configuration. Therefore, the MicroPlug solution enables service providers to deploy high-bandwidth services in an agile, elastic, and dynamic way.

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Key Features and Benefits

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

- Supports 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)

- XGS-PON OMCI (ONT Management Control Interface) and 10G EPON OAM

- Industrial temperature range

- IEEE 1588v2 and SyncE timing and sync support

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

- Integrated DDM (SFF-8472)

- Single fiber SC/UPC receptacle

- Option for on-device default configuration storage in non-volatile memory to allow Autonomous Boot Mode deployment

Applications

- PON ONU/ONT connectivity for CPE devices

- High-bandwidth enterprise PON connectivity

- Wireless backhaul/midhaul

- MDU-located PON bridge

- High-density PON aggregation

- Outside plant PON access bridge connectivity

Ordering Information

C1 Part Number	Description
C1-TXM-MPONU-01I	10G XGS-PON/EPON ONU SFP+ Transceiver, Class N2/PR30+, I-temp (-40 to 85°C)