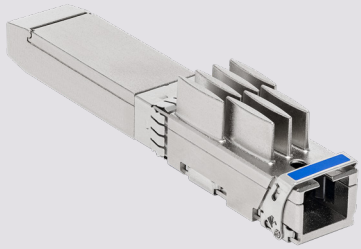
DATA SHEET

Tibit Campus MicroPlug OLT

Tibit Technologies



Ciena's Tibit™ Campus MicroPlug OLT pluggable products are uniquely engineered, with both hardware and software, for passive optical networking (PON) deployments in campus, business park, in-building, and other shorter-reach use cases.

The Tibit™ Campus MicroPlug™ OLT is a hot-pluggable SFP+ optical transceiver with a built-in 10G Ethernet-to-10G PON OLT MAC bridge. The optical transceiver is optimized for on-campus/in-building installations requiring less than 10 km of reach. It enables lower-power, lower-cost PON implementations, while maintaining fidelity to carrier PON standards.

The Tibit Campus MicroPlug OLT plugs into validated Ethernet switches or other validated Ethernet-enabled networking equipment with SFP+ sockets. It enables switches to deploy point-to-multipoint, high-speed connections throughout the campus or enterprise environment. This provides cost-effective use of on-campus or in-building trunk fibers. The Tibit Campus MicroPlug OLT can connect to the Tibit MicroPlug ONU/ONT and/or third-party 10G ONUs.

The industry-unique Tibit Campus MicroPlug OLT paired with autonomous boot mode software allows plug-and-play implementation of the entire solution with or without a provisioning system connected.

Ciena's pluggable OLT technologies require less space and power than any other product on the market.

Features and benefits

- Industry advanced enterprise-pluggable micro-OLT (OLT)
- SFP+ 10G optical transceiver with embedded universal Ethernet-to-PON MAC bridge
- Software-configurable, symmetrical 10G/10G rates for XGS-PON or 10GE-PON protocols
- Supports 500 Alloc-ID and jumbo frames up to 900 Kb/s
- In XGS-PON mode: compliant with ITU-T G.9807.1 specifications
- In E-PON mode: compliant with IEEE802.3av, SIEPON, and DPoE specifications
- IEEE 802.1AE MACsec uplink encryption
- IEEE 1588v2 and SyncE timing and sync support
- Class PR10+ optical power budget
  - 1577 nm cooled DML laser
  - 1270 nm APD/TIA burst receiver
- Integrated digital diagnostics and monitoring (SFF-8472) and burst RSSI
- Single fiber SC/UPC receptacle
- Industry-unique modularity and scalability
- Pairs with MicroPlug™ ONU solutions for campus-ready, fully pluggable PON solution
- Pairs with campus-specific management suite, which includes autoboot (zero-touch) installation and optional modular MicroClimate Management System® (MCMS) for modular network integration

Applications

- High-speed networks requiring point-to-multipoint economics
- University campus classrooms, labs, offices, etc.
- Business parks/campus users
- Hospitality and healthcare deployments
- Industrial applications
- Short-reach carrier deployments
- Data center PON
- Wireless backhaul/midhaul

Ordering information

Part number	Link budget	Case temp
TXM-MPOLT-05I-CAMPUS	CLASS PR10+	-40°C TO +85°C

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