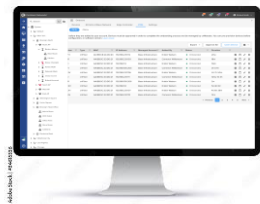


Cambium Networks TCX08/TCX16 COMBO PON OLT

Unleash the power of converged wireless and fiber!

QUICK LOOK:

- Zero-touch deployments with cnMaestro™
- Flexible vendor-neutral platform
- Modular gigabit and multi-gigabit services with GPON, XGS-PON, and G/XGS Combo PON
- Stackable OLT with up to 4096 Subscribers/RU
- Support for 100G, 40G, 25G, 10G Uplinks



Introduction

The Combo PON OLT from Cambium Networks is designed to meet the needs of service providers who want to deliver high-quality broadband services to their customers with reliable and performant technology at a low Total Cost of Ownership (TCO).

Featuring a compact design, 8 or 16 PON ports with GPON, XGS-PON, and Combo G/XGS-PON support, as well as dual 100G/40G QSFP28 and dual 10G SPF+ uplink ports, the Combo PON OLT from Cambium Networks is the ideal choice for delivering the best possible broadband experience to your customers with minimal downtime and maximum reliability.



Benefits

- Zero-touch installations with Cloud and on-premise pre-configuration
- Multi-gigabit symmetric customer speeds for fast and reliable connections
- Dual AC/DC power supplies for added reliability and minimal downtime

The Combo PON OLT is the ultimate solution for service providers who want to offer their customers fast, reliable broadband services that are simple and scalable. With support for multiple subscribers, this 1RU PON OLT enables service providers to stay ahead of the curve and meet the growing demand for high-speed internet. Whether you're looking to expand your network or upgrade your existing infrastructure, the Combo PON OLT is the perfect choice for delivering the best possible broadband experience to your customers.

Big performance. Incredible new possibilities.

Interfaces

Uplink	2x QSFP28 (Supporting 100GE or 40GE or 4x25GE) 2x SFP28/SFP+ (Supporting 25GbE or 10GbE)
PON	8-Port AIO SDN OLT (Supporting ITU-T PON: GPON, XGS-PON, or Combo) Maximum Split Ratios: XGS-PON 1:256, GPON 1:128 (ITU-T G.9807.1, ITU-T G.984.1, ITU-T G.984.2, ITU-T G.984.3, ITU-T G.984.4)
Management	Console ports: USB 2.0, D-SUB 9-Pin, 1x RJ-45 Out-of-Band Management (100/1000-BaseT) In-band and out-of-band IPv4 & IPv6 Management

Hardware

Performance	Nonblocking switching capacity: 300Gb/s Jumbo frames: 9K, MAC address: 16K, VLAN number: 4K
Environmental	4+1 Left-to-Right Airflow Fan Modules (SDA FAN) Operating temperature: -40°F to 149°F (-40°C to +65°C) Relative humidity: 5% to 95%
Power	Hot Swappable Redundant Power Modules (AC is a priority when AC and DC are present) SDA AC: Universal 250W AC (100~240VAC, 50Hz to 60Hz) SDA DC: -48VDC 250W (-72~-38.4VDC)
Regulatory	FCC, ICES, EN, IEC, CAN/CSA, ETSI, ANSI/UL, AS/NZS (see the full product spec for details)

Features

Networking	DHCP Relay, Option 82 Support IGMP V2/V3 Multicast Support VLAN tagging, Support IEEE 802.1Q, SVLAN, CVLAN, Q-in-Q IEEE 802.1p QoS Service Prioritization Support
Management	cnMaestro Management with support for Netconf/Yang SNMP v2c & v3, Syslog, CLI, API, and cnMaestro RSTP and Stacking Rogue ONT Detection, AES Encryption, FEC Dynamic Bandwidth Allocation (DBA): NSR Status Reporting (SR), Traffic Monitoring (TM) DBA