

# Fiber 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-PON
- Stackable OLT with up to 4096 Subscribers/RU
- Uplink Support for 100G, 40G, 25G, 10G

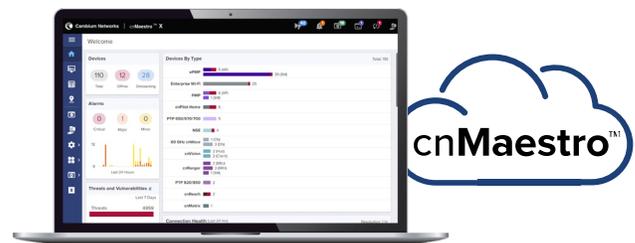


## Cambium Fiber is here

Deliver high-quality broadband services to business and residential customers with reliable and performant technology at a low Total Cost of Ownership (TCO). The Combo PON OLT features a compact design, 8 or 16 PON ports with GPON, XGS-PON, and Combo PON support, as well as dual 100 GbE / 40 GbE QSFP28 and dual 25 GbE / 10 GbE SFP+ uplink ports.

- 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 delivers fast, reliable multi-gigabit services that are simple and scalable. This highly scalable 1RU OLT enables service providers to meet the growing demand for high-speed internet.



## Fiber TCX08/TCX16 COMBO PON OLT

### Specifications

*Note: Some features will be included on subsequent firmware releases.*

Interfaces		Features	
<b>Uplink</b>	2x QSFP28 (100 GE or 40 GE or 4x25 GE) 2x SFP28 / SFP+ (25 GbE or 10 GbE)	<b>Networking</b>	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
<b>PON</b>	8 or 16 PON Ports Supporting PON: GPON, XGS-PON, or Combo PON <b>Maximum Split Ratios:</b> 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)	<b>Single Management Interface</b>	8 or 16 PON (Downlink) interfaces and 4 Uplink Interfaces.
<b>Management</b>	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	<b>Dimensions</b>	440 x 260 x 44.5 mm 17.32 x 10.24 x 1.75 in
<b>Hardware</b>		<b>Management</b>	SNMP, Syslog, CLI, API, TR-069, and cnMaestro Support for ease of use
<b>Performance</b>	Non-blocking switching capacity: 300Gb/s Jumbo frames: 9K, MAC address: 16K, VLAN number: 4K	<b>Network Protection</b>	G.8032 Ring protection, RSTP, Rogue ONT Detection, AES Encryption
<b>Environmental</b>	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%	<b>Provisioning</b>	Advanced QoS, service rate limits, VLAN, Q-in-Q, full statistics engine
<b>Power</b>	Hot Swappable Redundant Power Modules (AC is a priority when using AC and DC) AC PSU: Universal 250W AC (100 to 240VAC, 50 Hz to 60 Hz) DC PSU: -48VDC 250W (-72 to -38.4VDC)	<b>Regulatory</b> FCC, ICES, EN, IEC, CAN/CSA, ETSI, ANSI/UL, AS/NZS (details in product documentation)	

## Fiber TCX08/TCX16 COMBO PON OLT

**TCX08**



**TCX16**



### ABOUT CAMBIUM NETWORKS

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We deliver connectivity that just works

[cambiumnetworks.com](http://cambiumnetworks.com)

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