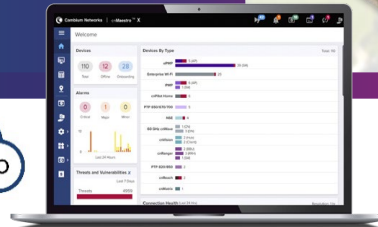


Cambium Fiber XGS-PON ONU

Seamless Integration of Fiber and Wireless

Pluggable ONU Quick Look

- Extend XGS-PON networks to last-mile applications with ePMP and cnWave
- Terminate XGS-PON connections directly into cnMatrix for small-form factor, low-cost integrated solutions
- Supports XGS-PON for up to 10 Gbps symmetrical services



Cambium Fiber emphasizes performance, cost-effectiveness, and ease of management. Featuring high-speed XGS-PON technology (as well as GPON and ComboPON), Cambium solutions provide symmetrical 10 Gbps speeds to meet the growing demands of high-speed internet for residential, enterprise, and multi-dwelling unit (MDU) environments.

The **Cambium Fiber XGS-PON Pluggable ONU** (Optical Network Unit) extends the fiber network into hard-to-reach places or last-mile applications with seamless integration directly into Cambium radios such as ePMP™ 4500/4600 or cnWave™ 60 GHz V5000/V3000.

The ONU plugs into a Cambium radio infrastructure, leveraging the radio's wireless backhaul capabilities to bridge the gap between the fiber network endpoint and the end user location. It's an ideal solution for areas where deploying fiber is impractical or cost prohibitive.

The Pluggable ONU also enables the direct termination of a fiber XGS-PON connection into a cnMatrix™ switch or other third-party switches/routers.

Its compact design eliminates the need for additional external ONUs or converters and results in a small form-factor deployment, reducing space and power requirements, keeping installation costs low while delivering the full capabilities of XGS-PON technology.

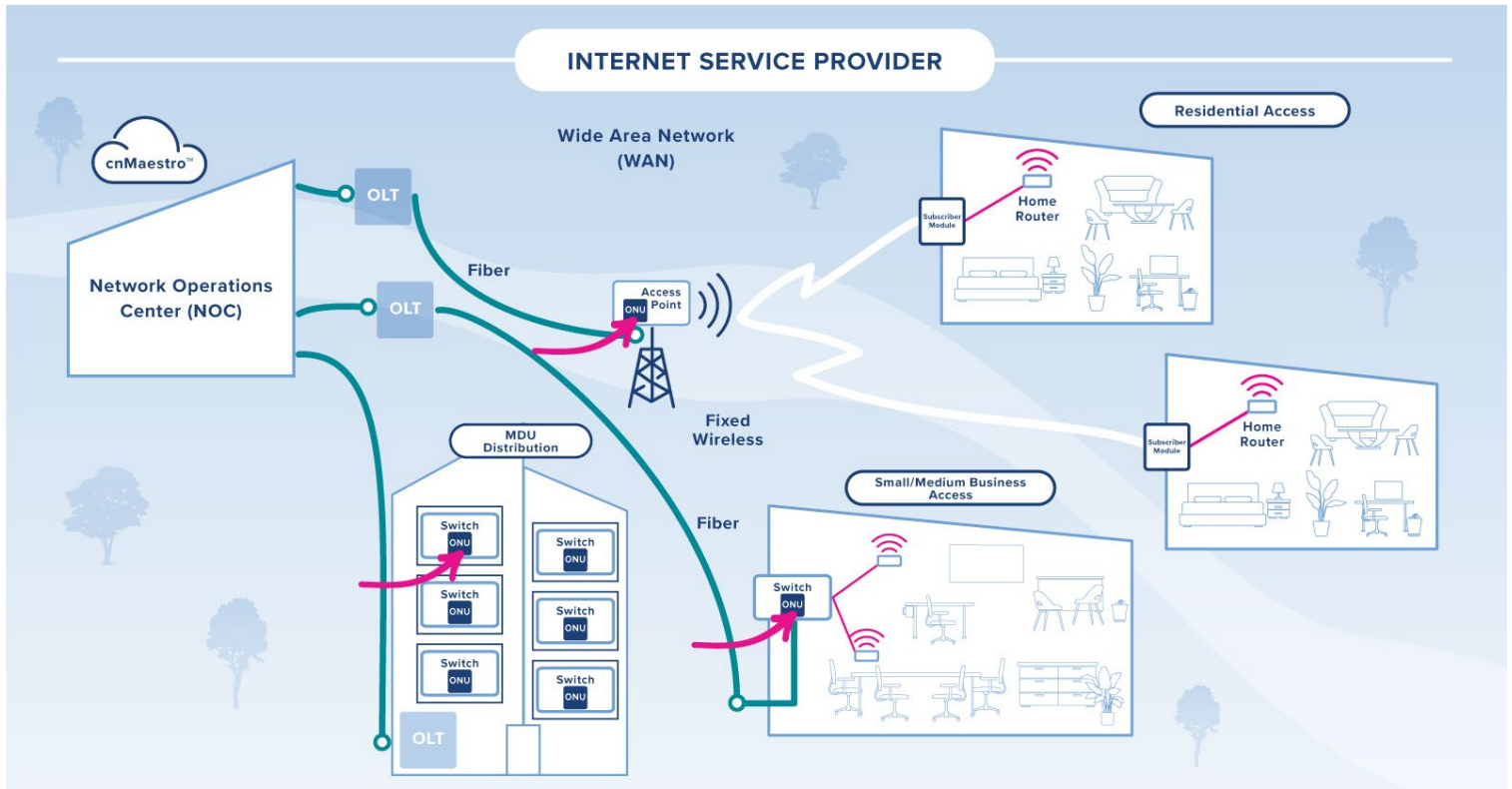
Cambium's Fiber portfolio extends this integration with centralized management through cnMaestro™ Network Management for end-to-end visibility, enabling service providers and enterprises to efficiently monitor and troubleshoot their networks. With robust security features and a focus on Quality of Experience (QoE), Cambium ensures a reliable, secure, and optimized user experience for every deployment.

Cambium Fiber XGS-PON Pluggable ONU

Specifications	
Sales Model	SXS00-0A00
Compatibility – PON	Cambium 8-port and 16-port OLTs Contact Cambium for 3 rd -party compatibility options
Compatibility – Wireless Radios	ePMP 4500 ePMP 4600 Force 400C / Force 425 cnWave 60 GHz V5000 cnWave 60 GHz V3000
Compatibility – Ethernet Switches/Routers	cnMatrix Contact Cambium Networks for other 3 rd -party compatibility options
Electrical	Hot-pluggable, single +3.3V power supply LVTTTL burst enable control, active high; LVTTTL TX_DIS, TX_Fault, RX_LOS LVTTTL sleep mode for reduced power consumption Power consumption: < 1.5W
Networking	10 Gbps, also supports Ethernet interface HSGMII / 2500BASE-X (2.5 Gbit/s), SGMII/ 1000BASE-X (1 Gbit/s) Supports rogue ONU detection Wire-speed data transfers for supported packet sizes (64, 512, and 1518 Bytes) Supports 4K MAC entries Supports jumbo frames up to 9,000 bytes
Optical	XGS-PON single fiber up to 10 Gbps symmetric upstream and downstream 9.95328Gbps / 1270nm burst-mode transmitter with DFB laser 9.95328Gbps / 1577nm high sensitivity continuous-mode APD-TIA receiver Class: N2 Max link budget: 31 dB Maximum range: 20km Receiver overload ≤ -9dBm Receiver sensitivity ≥ -28.5 dBm
Mechanical	SFP+ package with SC/APC receptacle Media: SMF
Compliance / Regulatory	Compliant with SFF-8431 and SFF-8472 Compliant with ITU-T G.9807.1 XGS-PON (N1/N2/E1 class) Class 1 laser eye safety standard IEC-60825 compliant FCC, ICES, EN, IEC, CAN/CSA, ETSI, ANSI/UL, AS/NZS (details in product documentation) ROHS/WEEE
Environmental	Air Temperature: -40 to 55°C (-40 to 131°F) Maximum Operating / Case Temperature: 70°C (158°F)

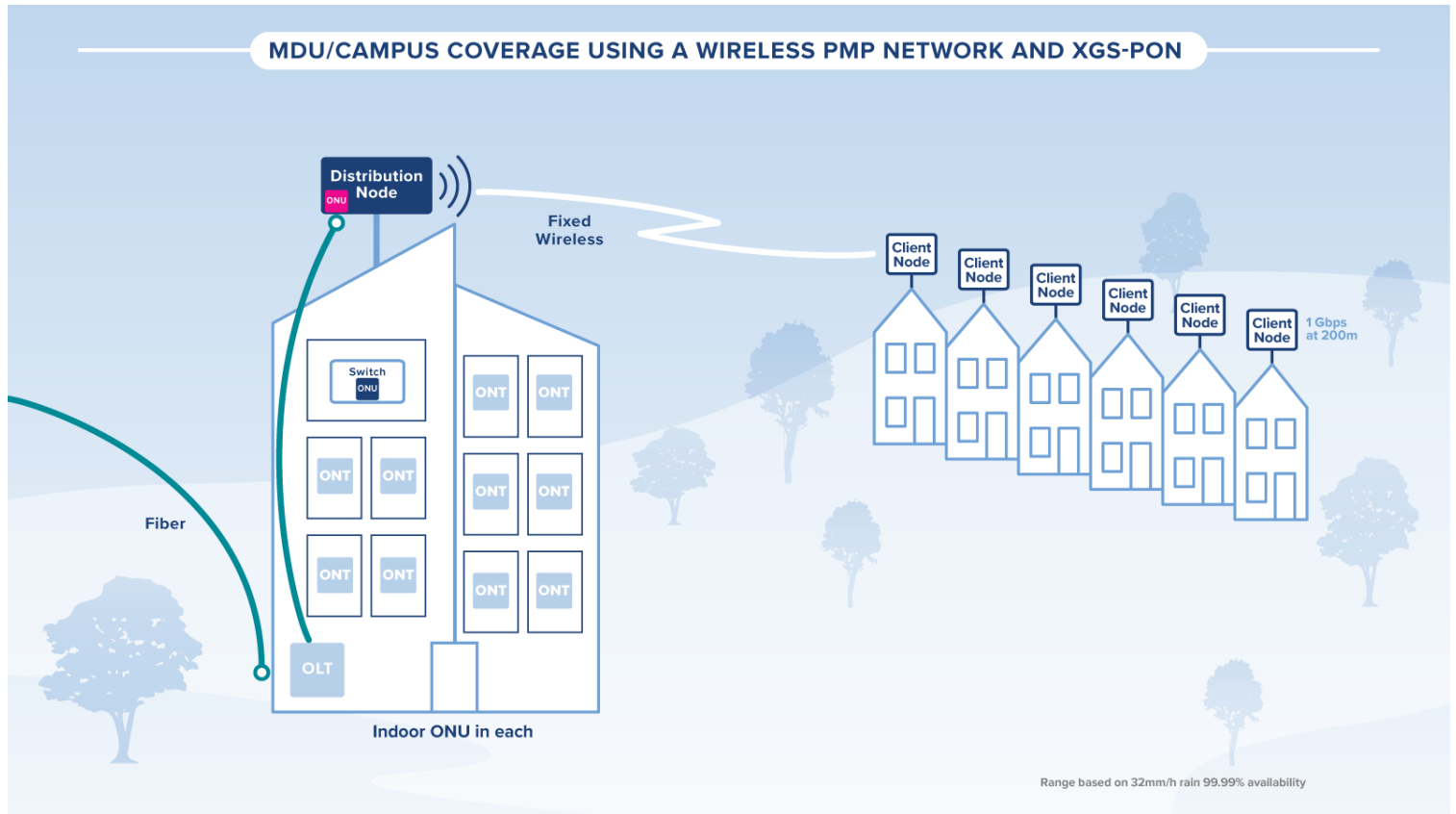
Cambium Fiber XGS-PON Pluggable ONU

Applications



Cambium Fiber XGS-PON Pluggable ONU

Applications



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 make connectivity that just works.

cambiumnetworks.com