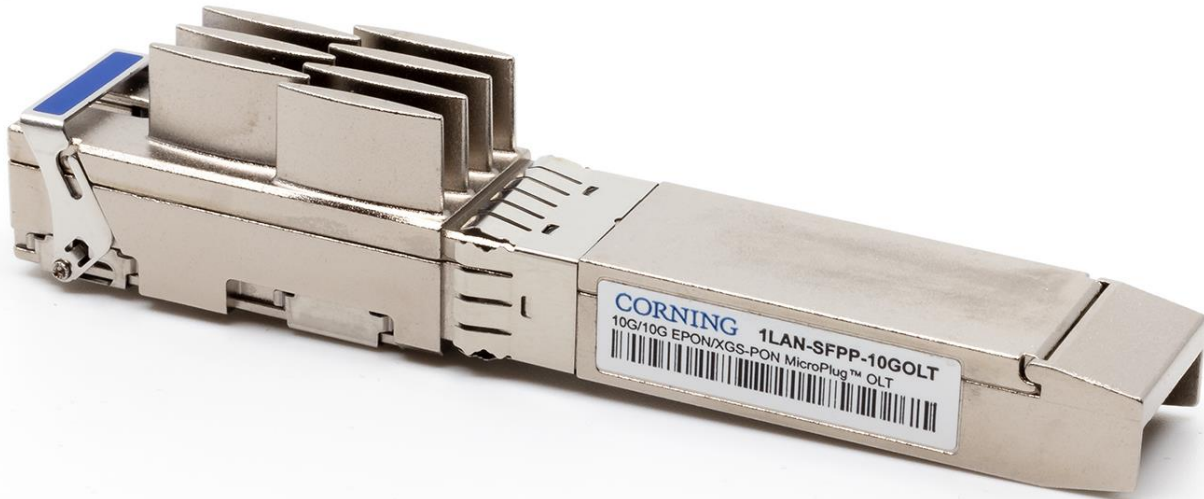


Everon SD SFP

XGSPON – 10G SFP SD-OLT



Product Overview |

Corning's 10G SFP SD-OLT is an ITU-T XGS-PON hot-pluggable SFP+ Optical Transceiver with a built-in 10G Ethernet-to-PON MAC bridge. It uses 10G XGSPON optics to enable 10G PON solutions at a fraction of the cost of fixed-format OLT chassis and stand-alone "pizza box" OLT.

This 10G OLT plugs into the Corning SDDP via available 10G SFP+ ports, enabling them to become part of any 10G XGSPON network. The modularity and remote management capabilities of this SFP SD-OLT have never been easier due to Corning SD-LAN's industry leading Orchestration Platform.

Corning's 10G SFP SD-OLT allows customers to quickly deploy high-bandwidth services in an agile, elastic, and scalable way. This technology requires less space and power than any other OLT product on the market, including very high capacity deployments.

Features	Benefits
Optical Interface	<ul style="list-style-type: none"> • SFP+ 10G Optical Transceiver with embedded Universal Ethernet-to-PON MAC Bridge • Single Fiber SC/UPC Receptacle
Software configurable	Symmetric 10G/10G Rates for XGS-PON Protocols
Management	In-Band Management via Ethernet Link OAM (IEEE 802.3 Clause 57)
Capabilities	<ul style="list-style-type: none"> • Supports up to 128 SDANs • Integrated Digital Diagnostics and Monitoring (SFF-8472), and Burst RSSI • Industry-unique modularity and scalability
Security	IEEE 802.1AE MACSec uplink encryption

Product Specifications

Performance	<ul style="list-style-type: none"> • Wire Speed Forwarding • VLAN IDs: 2K • Up to 128 SDANs
Protocols	Compliant w/ ITU-T G.9807.1 specifications (XGSPON) IEEE 1588v2 & SyncE Timing and Sync support
Optical	<ul style="list-style-type: none"> • XGS Class N2/EPON PR30+ Optical Power Budget <ul style="list-style-type: none"> • 1577nm cooled EML DFB Laser • 1270nm APD/TIA Burst Receiver
Physical & Environmental	<ul style="list-style-type: none"> • Operating Temperature: 0°C to 70°C • Operating Humidity: 5% to 95% non-condensing

Ordering Information

Part Number	Description
1LAN-SFPP-10G-OLT	XGSPON 10G SFP+ SD-OLT (Pluggable OLT)



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