

8 Port 10G XGSPON OLT with 100G SFP+

XGSPON OLT-8XGS

airlive®



Support 2048
Gpon ONU

8x
Pon Port

4x25
Gigabit Uplink

XG-PON
XGS-PON
ONU

4x
100GE(SFP+)
Uplink

Fiber
Optical 20KM

Compliant ITU-T
977/9807
standard

ONU auto
discovery link

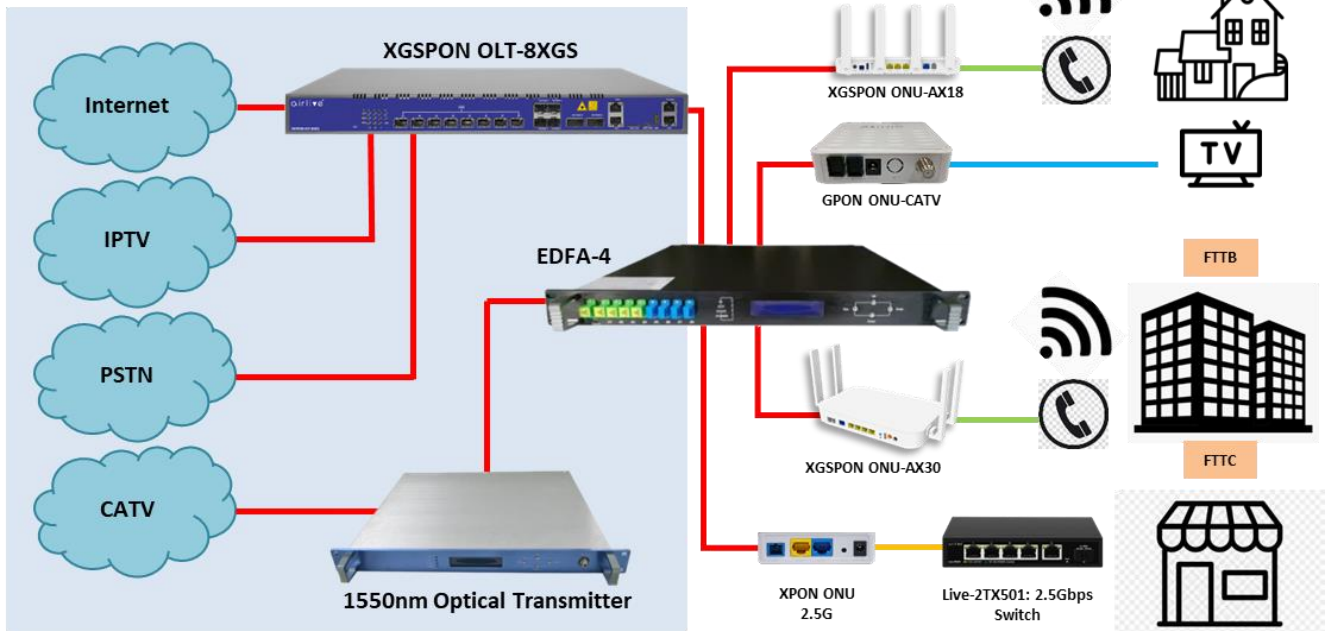
Overview

The XGSPON OLT-8XGS is a recently launched XG(S)-PON OLT that caters to new optical fiber communication networks. It conforms to international standards like ITU-T G.9807 (XGS-PON) and ITU-T G.987 (XG-PON) and supports two bandwidth access modes: 1. Asymmetric mode with 2.5Gbps upstream and 10Gbps downstream speed, and 2. Symmetrical mode with 10Gbps upstream and downstream speeds. It is an ideal fit for high-bandwidth scenarios such as carrier networks, FTTx, and enterprise networks. The compact 1U chassis of the XGSPON OLT-8XGS makes it easy to deploy in tight spaces. Its Broadcom + NXP chipset solution ensures a robust performance.

The XGSPON OLT-8XGS boasts many ports, providing 2*GE (RJ45) + 4*25GE (SFP28) + 2*100GE (QSFP28) uplink ports for full line-speed data forwarding. It also offers 8XG(S)-PON downlink interfaces with a maximum splitting ratio of 1:256 to access the user's ONT.

— Optical Line — Coaxial Line
— Telephone Line — RJ-45 Line

PON Tri-Play Solution example Remote CO Service

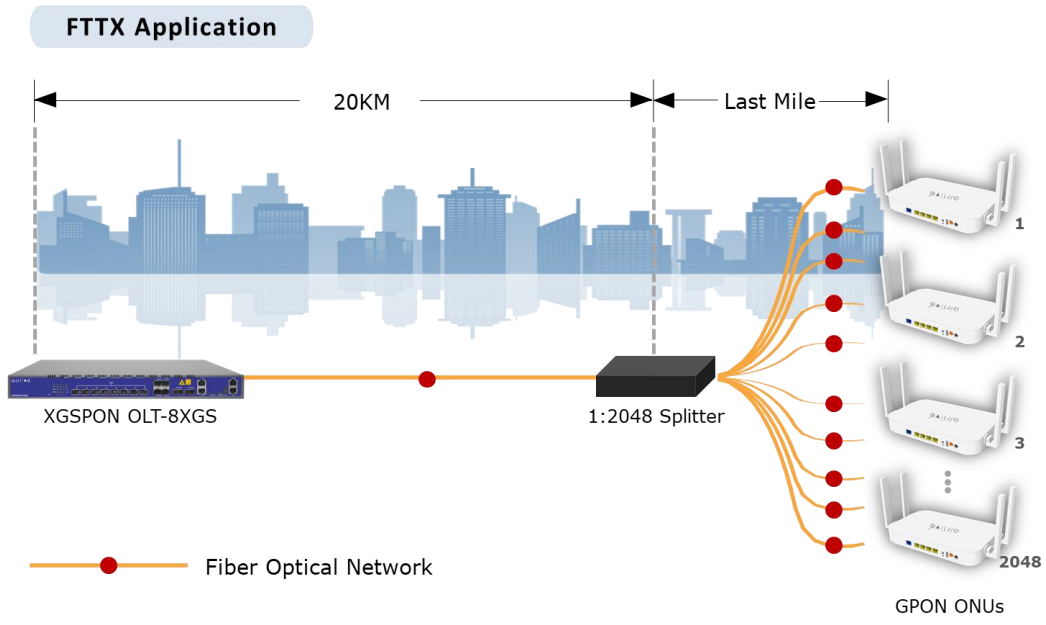


Highlight Feature

- XG-PON ONU: Upstream 2.5Gbps, Downstream: 10Gbps
- XGS-PON ONU: Upstream 10Gbps, Downstream: 10Gbps
- 8 PON ports, 4*SFP+ 100G, 4*RJ45 25G, 1U 19"
- each PON port supports up to 256 ONUs, total up to 2048 ONUs

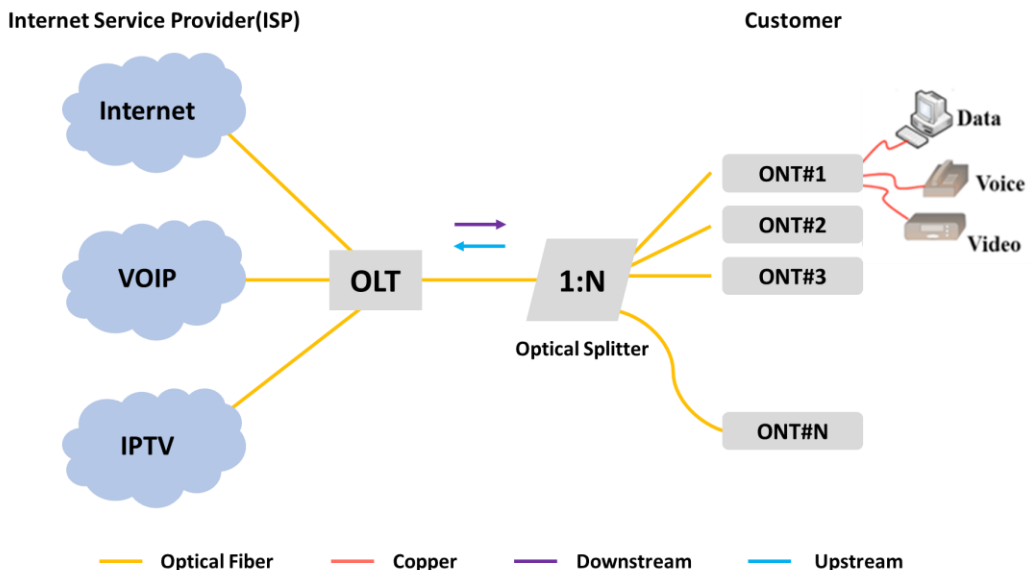
FTTX Application

XGSPON OLT-8XGS offers a complete, end-to-end network infrastructure application products for FTTX networks. From the CO to the customer premises, regional carriers, independent operators, municipalities, Multiple System Operators (MSOs), utilities, and developers worldwide have tapped the experience and innovation to build their FTTX networks.



High-speed and Long-distance Coverage for Triple Play Services

The XGSPON OLT-8XGS offers a robust solution for providing high-speed and long-distance coverage in triple play service applications such as HDTV, IPTV, voice-over-IP (VoIP), and multimedia. It supports downstream bandwidths of up to 10 Gbps and upstream bandwidths of 10 Gbps, enabling fast and reliable data transmission. With a coverage range of up to 20km between equipment nodes, the OLT-8XG is a cost-effective access technology that offers flexibility for network deployment. Its reliable and scalable network ensures a seamless and efficient experience for users.



Model	8 Port 10G XGSPON OLT with 100G SFP+
<p>Device Interface</p> <ul style="list-style-type: none"> • PON Port: 8x XG(S)-PON (SFP+) N1/N2a • Uplink RJ45: 2x 1GE • Uplink SFP28: 4x 10/25GE • Uplink QSFP28: 2x 100GE • Console: 1*10/100/1000BASE-T out-band port, 1*Console port, 1*USB3.0 Type C Console, 1*MicroSD port • Fiber Type: 9/125μm SMF • Connector: SC/UPC • PON Port TX Power: +4dBm ~ +8dBm • PON Port RX Sensitivity: ≥-29.5dBm • PON Port Saturation Optical Power: -9dBm • Supported ONUs: 2048 • GPON port speed: XG-PON ONU: Upstream 2.5Gbps, Downstream: 10Gbps XGS-PON ONU: Upstream 10Gbps, Downstream: 10Gbps • Wavelength: TX 1270nm, RX 1577nm • Max splitting ratio: 1:256 • Transmission Distance: 20KM • Backplane Bandwidth (Gbps): 970 • Port Forwarding Rate(Mpps): 598.176 • Management Mode: CLI: (Console/Telnet/SSH), WEB, SNMP (EMS) <p>Firmware features</p> <ul style="list-style-type: none"> • Management Function: SNMP, Telnet, CLI, WEB, SSH v2; Fan Group Control Port Status monitoring and configuration management Online ONU configuration and management User management Alarm management • Layer2 Switch: 32K Mac address Support 4096 VLANs Support port VLAN and protocol VLAN Support VLAN tag/Un-tag, VLAN transparent transmission Support VLAN translation and QinQ Support storm control based on port Support port isolation Support port rate limitation Support 802.1D and 802.1W Support static LACP, Dynamic LACP QoS based on port, VID, TOS and MAC address Access control list IEEE802.x flow control Port stability statistic and monitoring 	<p>Multicast</p> <p>IGMP Snooping 2048 IP Multicast Groups</p> <p>DHCP</p> <p>DHCP server, DHCP relay, DHCP snooping DHCP option82</p> <p>Layer 3 Route</p> <p>ARP proxy 4096 hardware Host Routes,512 hardware Subnet Routes Support 802.1X,Radius,Tacacs+ Support IP source guard Support static route ,dynamic route RIP v1/v2,RIPng and OSPF v2/v3;</p> <p>IPv6</p> <p>Support NDP; Support IPv6 Ping,IPv6 Telnet,IPv6 routing; Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc; Support MLD v1/v2 snooping(Multicast Listener Discovery snooping)</p> <p>PON Function</p> <p>T-CONT DBA x-GEM traffic In compliant with ITU-T G.9807(XGS-PON) and ITU-T G.987(XG-PON) Up to 20KM transmission Distance Support data encryption, multi-cast, port VLAN, separation, RSTP, etc Support ONU auto-discovery/link detection/remote upgrade of software Support VLAN division and user separation to avoid broadcast storm Support power-off alarm function, easy for link problem detection Support broadcasting storm resistance function Support port isolation between different ports Support ACL and SNMP to configure data packet filter flexibly Specialized design for system breakdown prevention to maintain stable system Support RSTP,IGMP Proxy</p>



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<p>Power Consumption 150W</p> <p>Environment Working Temperature: 0°C ~+55°C Storage Temperature: -40~+85°C Working Humidity: 10~85% (non-condensing) Storage Humidity: 5~95% (non-condensing)</p> <p>Ordering information Product Dimension (L*W*H): 44.2*33*4.36cm Product Weight: 4.20kg Package Content: 1 x Device, 1 x Power Cable , Installation Kits, QIG Model: XGSPON OLT-8XGS Description: AirLive XGSPON OLT-8XG 8 Port 10G XGSPON OLT with 100G SFP+</p>	

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