

2 PON Ports GPON OLT with 10G SFP+

GPON OLT-222

airlive®



Support 256 GPON ONU

2x PON Port

2x Gigabit RJ45

1.25Gbps Uplink
2.5Gbps Downlink

2x 10GE(SFP+) Uplink

Fiber Optical 20KM

Compliant ITU-Tg84 standard

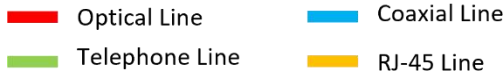
ONU auto discovery link

Redundant Power (Option)

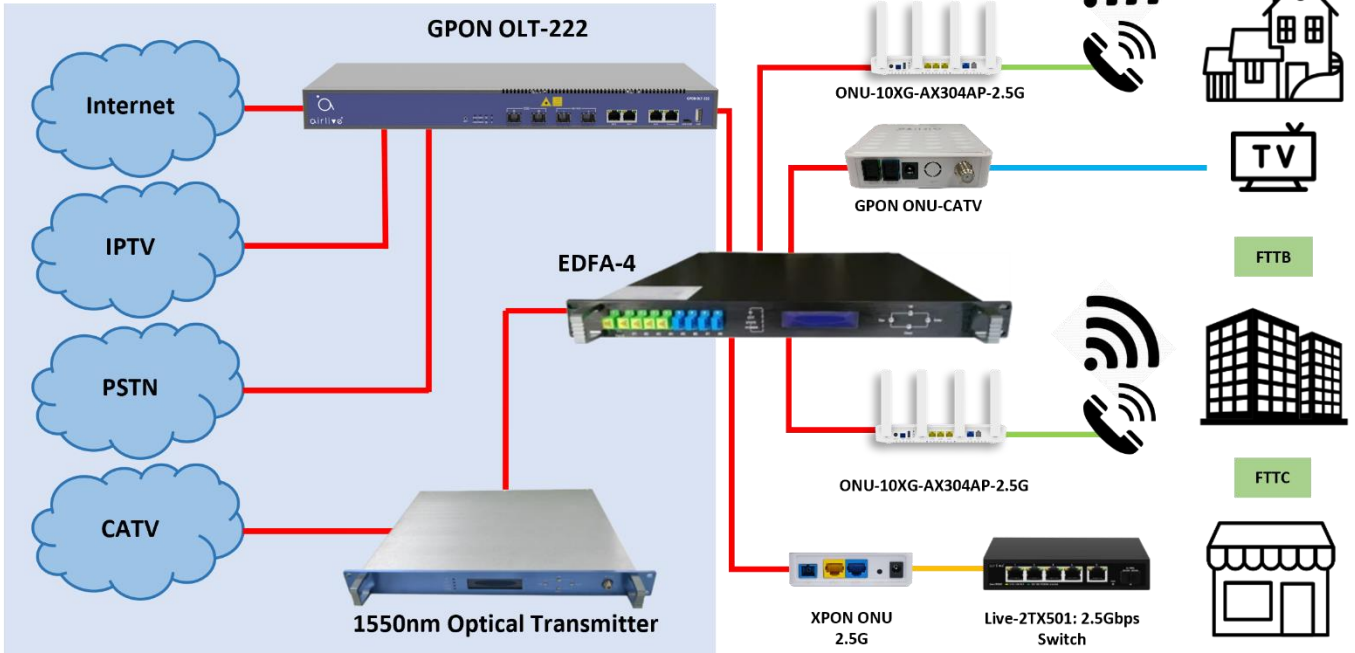
Overview

The AirLive GPON OLT-222 is a GPON OLT that caters to optical fiber communication networks. It conforms to the international standard ITU-T G.984 with 1.25Gbps upstream and 2.5Gbps downstream speed. IT is an ideal fit for high-bandwidth scenarios such as carrier networks, FTTx, and enterprise networks. The compact 1U chassis of the GPON OLT-222 makes it easy to deploy. The GPON OLT-222 boasts many ports, providing 2*GE (RJ45) + 2*10GE (SFP+) uplink ports for full line-speed data forwarding. It also offers 2x GPON downlink interfaces with a splitting ratio of 1:128 to access the user's ONT. This device is designed for use in FTTH (Fiber-to-the-Home) and small business applications the require high data transfer speeds. To use a GPON SFP module is needed.

The GPON OLT-222 is a versatile and effective solution for managing up to 256 ONU devices in a fiber broadband network. Its ease of installation and maintenance make it an attractive option for small to medium-sized deployments. It can transmit data up to a distance of 20KM.



PON Tri-Play Solution example Remote CO Service



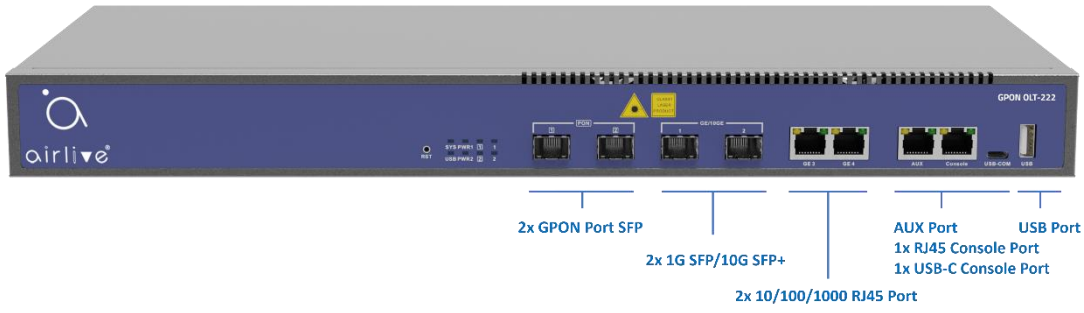
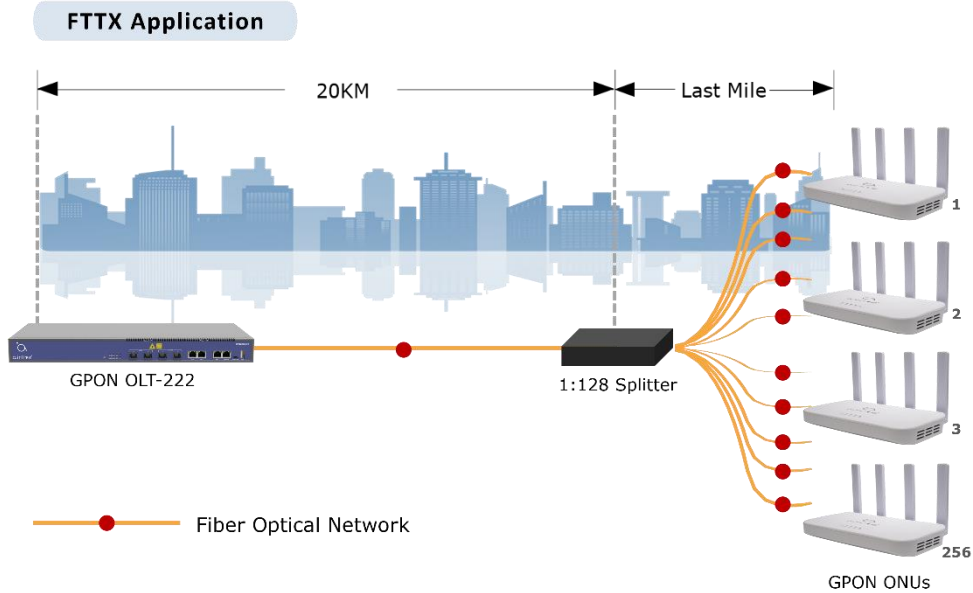
*For illustration only, not all ONU's work with the GPON OLT-222

Highlight Feature

- 2 PON ports, 2*SFP+ 10G, 2*RJ45 1G, 1U 19"
- Upstream 1.244Gbps, Downstream 2.488Gbps
- Each PON port supports up to 128 ONUs, total up to 256 ONUs
- Redundant Power (*Option)

FTTX Application

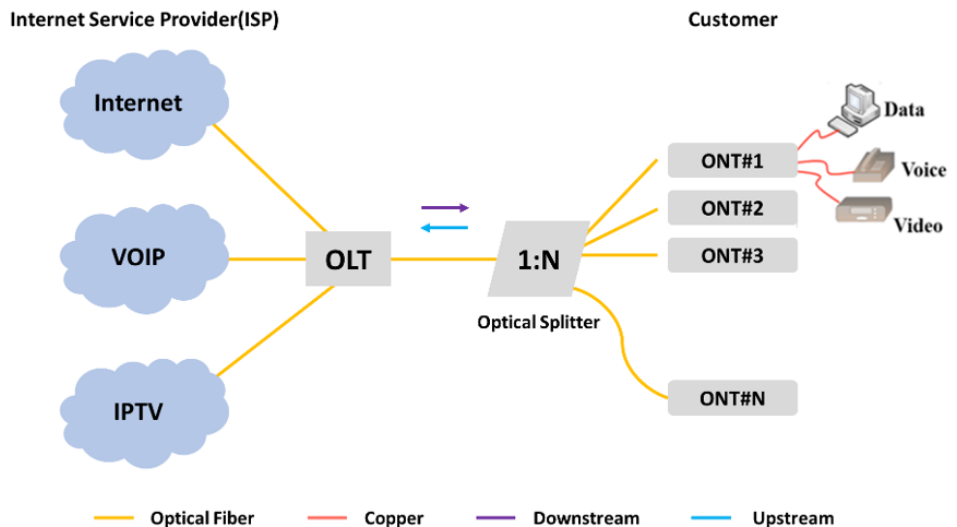
GPON OLT-222 offers a complete, end-to-end network infrastructure application products for FTTX networks. From the CO to the customer premises, regional carriers, independent operators, municipalities, Multiple System Operators (MSOs), utilities, and developers worldwide have tapped the experience and innovation to build their FTTX networks.



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

The GPON OLT-222 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 2.5Gbps and upstream bandwidths of 1.25Gbps, enabling fast and reliable data transmission. Capable of transmitting data up to a distance of 20KM, it's perfect for expansive network deployments.

Scalable Network Management: Manage up to 256 ONU devices with ease, making it an ideal solution for growing network infrastructures. Its reliable and scalable network ensures a seamless and efficient experience for users. **Future-Proof Technology:** Equipped with a 10G SFP+ uplink, the device is ready to handle the increasing demands of next-generation network applications.




Model	PON Ports GPON OLT with 10G SFP+
<p>Device Interface</p> <ul style="list-style-type: none"> • PON Port: 2x GPON SFP • Uplink RJ45: 2x 1GE RJ45 • Uplink SFP+: 2x 10G SFP+ • Console: 1x 10/100/1000BASE-T out-band port, 1x Console RJ45 port, 1x Console USB-COM Type C port, 1x USB2.0 port • Fiber Type: 9/125µm SMF • Connector: SC/UPC • Supported PON module level: Class C++, C+++, C++++ • PON Port Specification (Class C+++): TX Power: +4.5~+10dBm, Rx Sensitivity: ≤ -30dBm, Saturation Optical Power: -12dBm • Support ONU: 256 • GPON port speed: Upstream 1.244Gbps, Downstream 2.488Gbps • Wavelength: TX 1490nm, RX 1310nm • Max splitting ratio: 1:128 • Transmission Distance: 20KM • Backplane Bandwidth: 208Gbps • Port Forwarding Rate: 40.176Mpps • Management Mode: WEB/Telnet/CLI <p>Firmware features</p> <ul style="list-style-type: none"> • Management Function: Telnet, CLI, WEB Fan Group Control Port Status monitoring and configuration management Online ONU configuration and management User management Alarm management • Layer2 Switch: 16K MAC address Support 4096 VLANs Support port 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 	<p>PON Ports GPON OLT with 10G SFP+</p> <p>Access control list IEEE802.x flow control Port stability statistic and monitoring</p> <p>Multicast</p> <p>IGMP Snooping 1K L2 Multicast Groups 1K L3 Multicast Groups</p> <p>DHCP</p> <p>DHCP server, DHCP relay, DHCP snooping DHCP option82</p> <p>Layer 3 Route</p> <p>ARP proxy 16K hardware Host Routes, 1024 hardware Subnet Routes Support static route</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>GPON Function</p> <p>Tcont DBA Gempport traffic Compliant with ITU-T G.984 standard 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</p>

* Specification will be changed without prior notice

* All trademarks, logos and brand names are the property of their respective owners.



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<p>Power</p> <ul style="list-style-type: none">• 1x AC 100~240V, 50/60Hz (35W) (Default)• 2x AC 100~240V, 50/60Hz (35W) (Option)• 1x AC 100~240V, 1x DC 48V (Option)• 2x DC 48V (Option) Working Voltage Range: -36~-75V <p>Environment</p> <ul style="list-style-type: none">• Working Temperature: -20°C to +60°C• Storage Temperature: -40°C to +70°C• Relative Humidity: 5%~95%, non-condensing• MTBF: 200000 hrs. <p>Standard package of OLT</p> <ul style="list-style-type: none">• Product size: 44.2 x 20.0 x 4.36cm (L*W*H)• Package size: 57.5 x 38.0 x 11.5cm (L*W*H)• Package Weight: N.W: 2.485kg; G.W: 3.895kg (Single Power)• Package content: 1 x Device, 1 x Power cord, Installation Kits, 1 x QIG. <p>Standard carton package</p> <ul style="list-style-type: none">• Quantity: 1pcs / 1 carton• Dimensions 57.5 x 38.0 x 11.5cm (L*W*H)• Weight 3.895kg (G.W) <p>Ordering Information</p> <ul style="list-style-type: none">• Model: GPON OLT-222• Name: AirLive GPON OLT-222 2 Port PON Ports with 10G SFP+	

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