



2
PORTS

AIRPRO AEpon 4402: 2 Ports GEPON OLT

- High Stability with cost effective
- Comprehensive Network Management
- Powerful QOS Function
- Various OAM Function
- EMS management based on standard SNMP protocol
- In band and out band management
- Support 128 ONU
- Loop Detection



OVERVIEW

Pizza-Box OLT series products are small with 1U height and 19 inch rack-mount. These are convenient, flexible, easy to deploy and high performing devices. Due to their small and compact size, they are ideal to deploy in a compact room environment. The OLT can be used for “Triple-Play”, Voice, Video, Data, IP Camera, Enterprise LAN and IOT applications. It provides 2GE (copper) and 2SFP slots combo interface for uplink and 2 EPON ports for downstream. It can support 128 ONU under 1:64 splitter ratio. The devices support EMS software through which they can be configured, controlled and supported remotely from a central location.

KEY FEATURES

- Two fixed PON slots with 1:64 splitting ratio at most.
- Support 128 ONU.
- Maximum Transmission distance:20km (1:32 splitting ratio).
- Comprehensive Network Management.
- In band and out band management.
- Support Telnet and local command lines management.
- EMS management based on standard SNMP protocol.
- Support online upgrading.
- Powerful QOS Function.
- Realize stable and efficient dynamic bandwidth allocation (DBA).
- Various OAM Function.
- ONU auto-detection and registration.
- Support IGMP and Snooping function.
- Support port flow control and flow shaping.
- Loop Detection.

TECHNICAL SPECIFICATIONS

Item	Specification
Data interface (Uplink Port)	QTY : 4 Physical interface : 10/100/1000M auto-negotiable,RJ45:2pcs ; GE SFP ,1000BASE-LX :2pcs
PON Port	QTY : 2 Physical Interface : SFP Slots Connector Type : 1000BASE-PX20+ Max splitting ratio : 1 : 64
Management Port	1*10BASE-T out-band management port 1*Console management port
OLT PON SFP	Transmission Distance : 20KM PON port speed: symmetrical 1.25Gbps Waves: 1490nm TX,1310nm RX TX Optical power : +2 ~ +7dBm RX Sensitivity: -28dBm

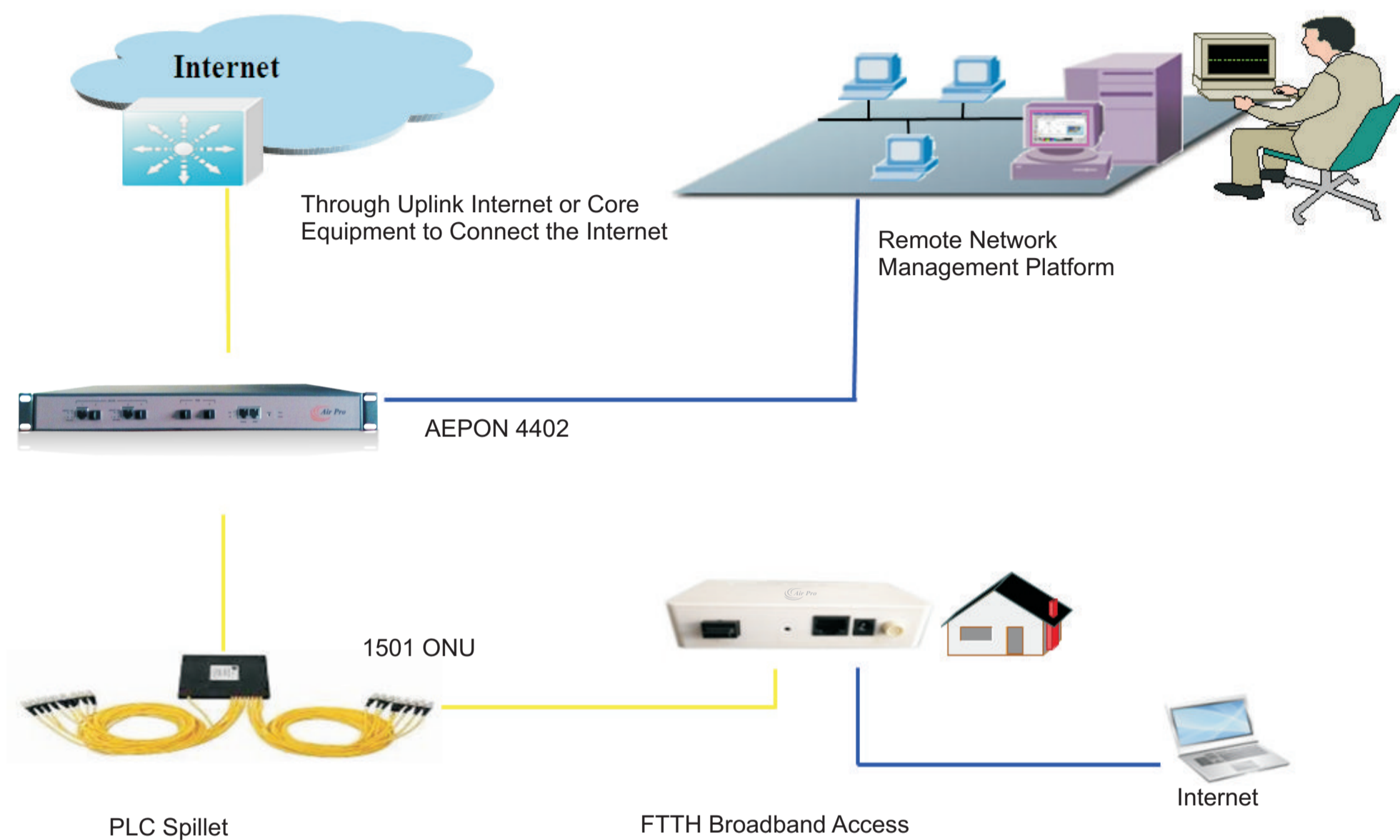
TECHNICAL SPECIFICATIONS

Item	Specification
Management Mode	SNMP, Telnet, CLI Support EMS centralized management system.
Management Function	Fan Group Detecting Port Status monitoring and configuration management; Layer-2 switch configuration such as Vlan, Trunk , RSTP, IGMP ,QOS, etc; EPON management function: DBA ,ONU authorization, ACL ,QOS ,etc; Online ONU configuration and management User management Alarm management
Layer-two Switch	Support port VLAN and protocol Vlan Support Vlan tag/Untag ,vlan transparent transmission; Support 4096 VLAN Support 802.3dd trunk RSTP QOS based on port ,VID,TOS and MAC address IGMP Snooping 802.x flow control Port stability statistic and monitoring
EPON Function	Support port-based rate limitation and bandwidth control; In compliant with IEEE802.3ah Standard Up to 20KM transmission Distance Support data encryption, group broadcasting, port Vlanseparation ,RSTP,etc. Support Dynamic Bandwidth Allocation (DBA) Support ONU auto-discovery/Link detection/remote upgrade of software; Support VLAN division and user separation to avoid broadcast storm; Support various LLID configuration and single LLID configuration. Different user and different service could provide different QoS by means of different LLID channels. 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 dynamic distance calculation on EMS online Support RSTP,IGMP Proxy
Dimension Weight	440mmX208mmX44mm (LxWxH) GW:4kg NW:3KG
Power Supply Consumption	90 ~ 264VAC 16W
Operating Environment	Working Temperature: 0 ~ 50 Storage Temperature: -40 ~ 85 Relative Humidity: 5 ~ 90%(non-condensing)

ORDER INFORMATION

Product	Model	Qty	Unit	Configuration
1U GEON OLT	AEON 4402	1	Set	<ul style="list-style-type: none"> • 1U EPON OLT with 2 PON slots, 220V(110V) AC power supply; • The default configuration is 2pcs of OLT SFP without uplink SFP.
OLT PON SFP	OLT-SFP-PX20	1 - 2	PC	<ul style="list-style-type: none"> • The default configuration is 2pcs; at least 1pc ;2 pcs at most.

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