



4
PORTS

AIRPRO AE PON 4404: 4 Ports GE PON OLT

- 4 PON port access
- 4 Combo Gigabit uplink services
- Maximum support 256 ONTs (1:64 splitter)
- In band and out band management Support CLI command line
- Support Telnet and local command lines management
- EMS management based on standard SNMP protocol
- Realize stable and efficient dynamic bandwidth allocation (DBA)
- ONU auto-detection and registration



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 4GE (copper) and 4SFP slots combo interface for uplink and 4 EPON ports for downstream. It can support 256 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

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- Support Telnet and local command lines management
- EMS management based on standard SNMP protocol
- Realize stable and efficient dynamic bandwidth allocation (DBA)
- ONU auto-detection and registration • Loop detection

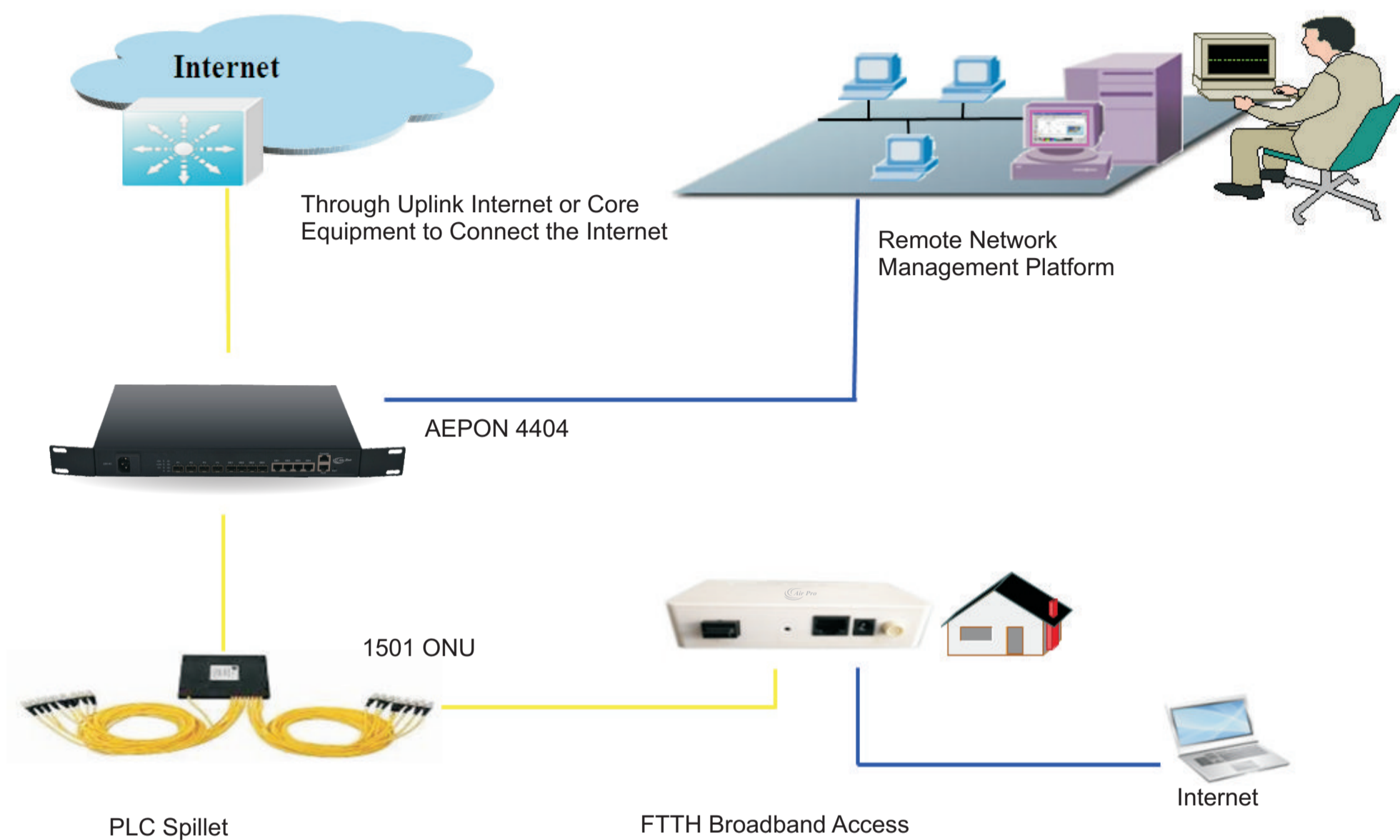
TECHNICAL SPECIFICATIONS

Hardware	
Data interface	8 Ports Physical Interface : 10/100/1000M auto-negotiable,RJ45:4 Ports GE SFP ,1000BASE-LX :4 Ports
PON Port	4 PON Ports Physical Interface : SFP Slots Connector Type : 1000BASE-PX20+ Max splitting ratio : 1 : 64
Management	1*10BASE-T out-band management port
Interface	1*Console management port
OLT PON SFP	Transmission Distance : 20KM PON port speed: symmetrical 1.25Gbps Wavelength: 1490nm TX,1310nm RX Connector: SC/PC Fiber Type: 9/125µm SMF TX Optical power : +2 ~ +7dBm RX Sensitivity: -28dBm Saturation Optical Power: -6dBm

TECHNICAL SPECIFICATIONS

Hardware	
Management Mode	SNMP, Telnet Support EMS centralized management
Management Function	Port Status monitoring and configuration management; Layer-2 switch configuration such as VLAN Trunk, RSTP, IGMP, QOS EPON management function: DBA, ONU authorization, ACL, QOS Online ONU configuration and management User management, Alarm management
Layer-2 Function	Support port VLAN and protocol VLAN Support VLAN tag/Untagged , VLAN transparent transmission Support 4096 VLAN STP, 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 VLAN separation, RSTP 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	440*280*44(mm*mm*mm) GW:4kg
Weight	NW:4.2KG
Power Supply	AC:90V ~ 240V
Power Consumption	30W
Operating Environment	<ul style="list-style-type: none"> • Working Temperature : 0 ~ 50°C • Storage Temperature : -40 ~ 85°C • Relative Humidity : 5 ~ 90% (non-condensing)

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