LAN   SYS   LINK   OPTIN   POWER

AP 1501G

AP 1501G- 1GE ONU

- Support port-based rate limitation and bandwidth control
- In compliant with IEEE802.3ah Standard
- Up to 20KM transmission Distance
- 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
- Loop Detection
- Support power-off alarm function ,easy for link problem detection
- Support broadcasting storm resistance function
- Support ACL and SNMP to configure data packet filter flexibly
- Support software online upgrading EMS network management
  based on SNMP, convenient for maintenance

Air Pro

OVERVIEW

GEPON ONU 1501G is mainly designed for FTTH,FTTO application. EPON ONU support 1000Base- PX20 standard with 1:64 maximum optical splitting ratio and 20km distance, and provide 1uplink GE PON port. ONU 1501G together with OLT could realize flexible network structure and maintenance and provide total FTTx solutions. ONU 1501G has 1 PON port and one 10/100/1000BASE-T ports.

KEY FEATURES

• Support port-based rate limitation and bandwidth control.

• In compliant with IEEE802.3ah Standard.

• Up to 20KM transmission Distance.

• 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.

• Loop Detection.

• Support power-off alarm function ,easy for link problem detection.

• Support broadcasting storm resistance function.

• Support ACL and SNMP to configure data packet filter flexibly.

• Support software online upgrading EMS network management.

  based on SNMP, convenient for maintenance.

TECHNICAL SPECIFICATIONS

Items	Parameter
PON Interface	1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/downstream SC single-mode fiber split ratio: 1:64 Transmission distance 20KM
User Ethernet Interface	1*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
Power Interface	12V DC Power supply
PON Optical Parameter	Wavelength: Tx 1310nm, Rx1490nm Tx Optical Power: -1 ~ 4dBm Rx Sensitivity: -27dBm Saturation Optical Power: -3dBm Connector Type: SC Optical Fiber: 9/125цm single-mode fiber
Data Transmission Parameter	PON Throughput: Downstream 950Mbps; Upstream 930Mbps Ethernet: 1000Mbps Packet Loss Ratio: <1*10E-12 latency: <1.5ms

TECHNICAL SPECIFICATIONS

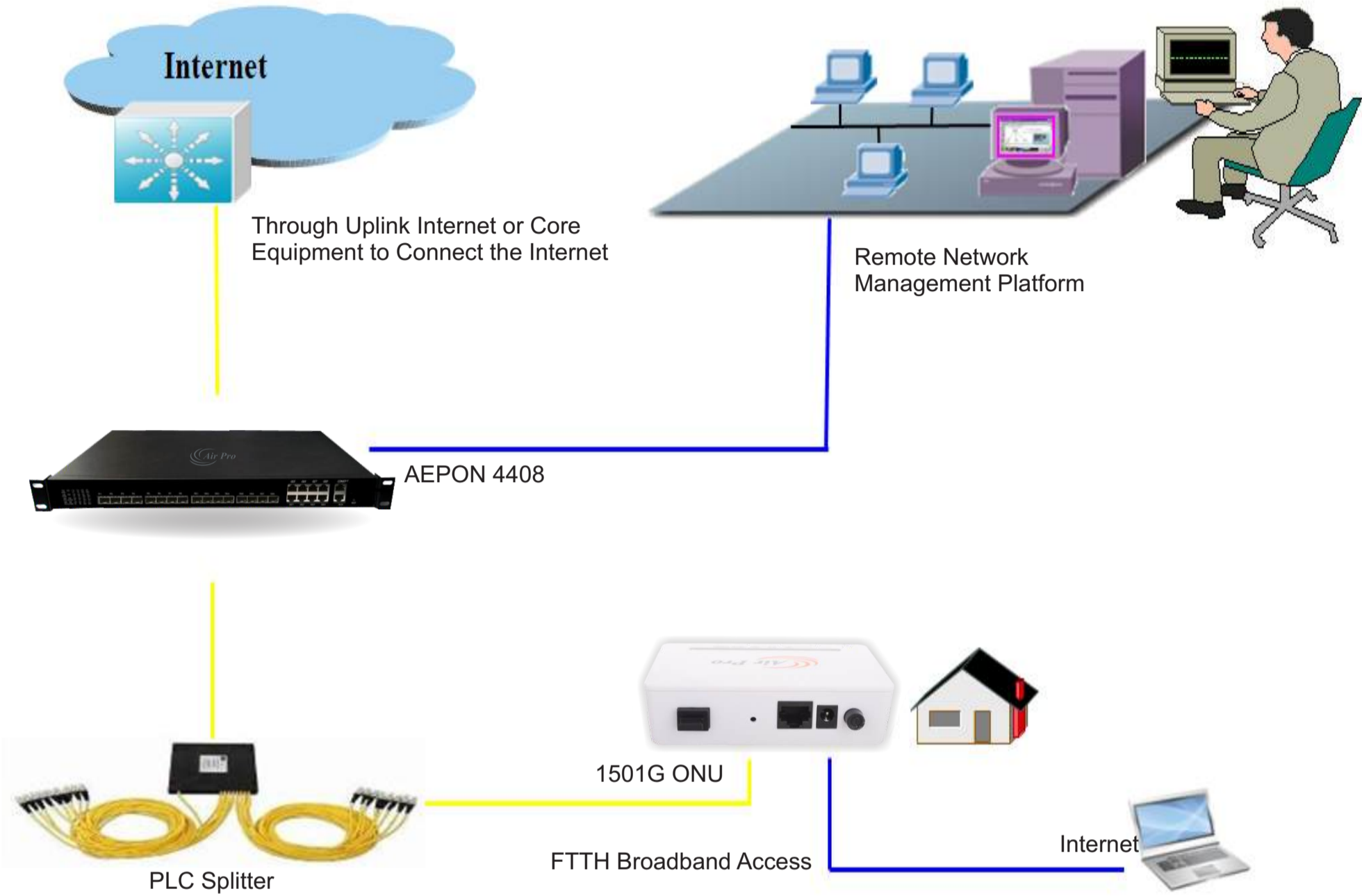| Items	Parameter
Business Capability	Layer 2 wire speed switching Support VLAN TAG/UNTAG，VLAN conversion Support Port-based speed limitation Support Priority classification Support storm control of broadcast Support RSTP
Network Management	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Local management
Management Function	Status monitor, Configuration management, Alarm management, Log management
LED Indicator	PWR: Power up or down SYS: System Instructions OPTIN: Optical Link Status LINK：ONU Registered LAN:Link Status of Ethernet Interface
Shell	Plastic casing
Power	External 12V 0.5A AC/DC power supply adapter Power consumption: < 2.5W
Physical Specifications	Item Dimension：110mm(L) x 70mm(W) x 30mm (H) Item weight：0.1kg
Environmental Specifications	Operating temperature: 0 to 50ºC Storage temperature: -40 to 85ºC Operating humidity: 10% to 90%(Non-condensing) Storage humidity: 5% to 95%(Non-condensing)

ORDERING INFORMATION

Product Name	Product Model	Description
GEPON ONU	AP1501G	1*10/100/1000M Ethernet interface 1 EPON interface, plastic casing, external power supply adapter

AP1501G - 1GE ONU

Typical Solution : FTTH, PON+EOC

Typical Business : INTERNET, IPTV, VOD, IP Camera

Through Uplink Internet or Core Equipment to Connect the Internet

Remote Network Management Platform

AEPON 4408

1501G ONU

FTTH Broadband Access

Internet

PLC Splitter

Air Pro

www.airpro.in