AP 211PG

AP211-PG EPON HGU

- Full compatible with IEEE802.3ah
- Support one POTS port
- Support one FE and one GE auto-adapting Ethernet ports
- Support OAM and TR069 for remote management
- Support Web for local management
- Support Auto-negotiation andMDI/MDIX

Air Pro

OVERVIEW

AP211P EPON HGU is one of the EPON/GEPON optical network unit design to meet the requirement of the broadband access network. It apply in FTTH/FTTO to provide the data, voice and video service based on the EPON network.

EPON/GEPON is the latest generations of access network technology. IEEE802.3ah is the standard protocol of EPON. The EPON standard differs from other PON standards in that it achieves higher bandwidth and higher efficiency using larger, variable-length packets. EPON offers efficient packaging of user traffic, with frame segmentation allowing higher quality of service (QOS) for delay-sensitive voice and video communications traffic.EPON networks provides the reliability and performance expected for business services and provides an attractive way to deliver residential services. EPON enables Fiber To The Home (FTTH) deployments economically resulting to accelerate growth worldwide.

AP211P provide one POTS port, one FE and one GE auto-adapting Ethernet ports. The AP211P features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. Therefore, the AP211P provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment. It has good third-party compatibility to work with the third party OLT, such as Huawei/ZTE/Fiber home/Alcatel-Lucent.

KEY FEATURES

- Full compatible with IEEE802.3ah
- Support one POTS port
- Support one FE and one GE auto-adapting Ethernet ports
- Support OAM and TR069 for remote management
- Support Web for local management
- Support Auto-negotiation andMDI/MDIX
- Support the Ethernet interface rate, working mode andflows control
- Support loopback at UNI
- Support packet filtering and anti-illegal message attack protection
- Support performance statistics of Ethernet lines
- Support VLAN tagged label processing, traffic classification and packet filtering, STP/RSTP etc.
- Support DHCP Option60 reporting the location information of the Ethernet interface
- Support PPPoE+ for accurate subscribers identification
- Support H.248、MGCPandSIP protocol
- Support IGMP Snooping
- Support AES-128

TECHNICAL SPECIFICATIONS

Interface	
PON Port	1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/downstream SC single-mode fiber Split ratio: 1:64 Transmission distance 20KM
Ethernet Port (LAN)	1*10/100M and 1*10/100/1000MAuto-negotiation RJ45 ports Full Duplex / Half-Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
POTS Port	*RJ11 with 3REN Max 1km distance Balanced Ring, 55V RMS
Power Supply Port	12V DC input

Management	
Network Management	Standard compliant OAM interface as defined by IEEE802.3ah Support TR-069 and WEB management
Management Function	Status monitor, Configuration management, Alarm management, Log management

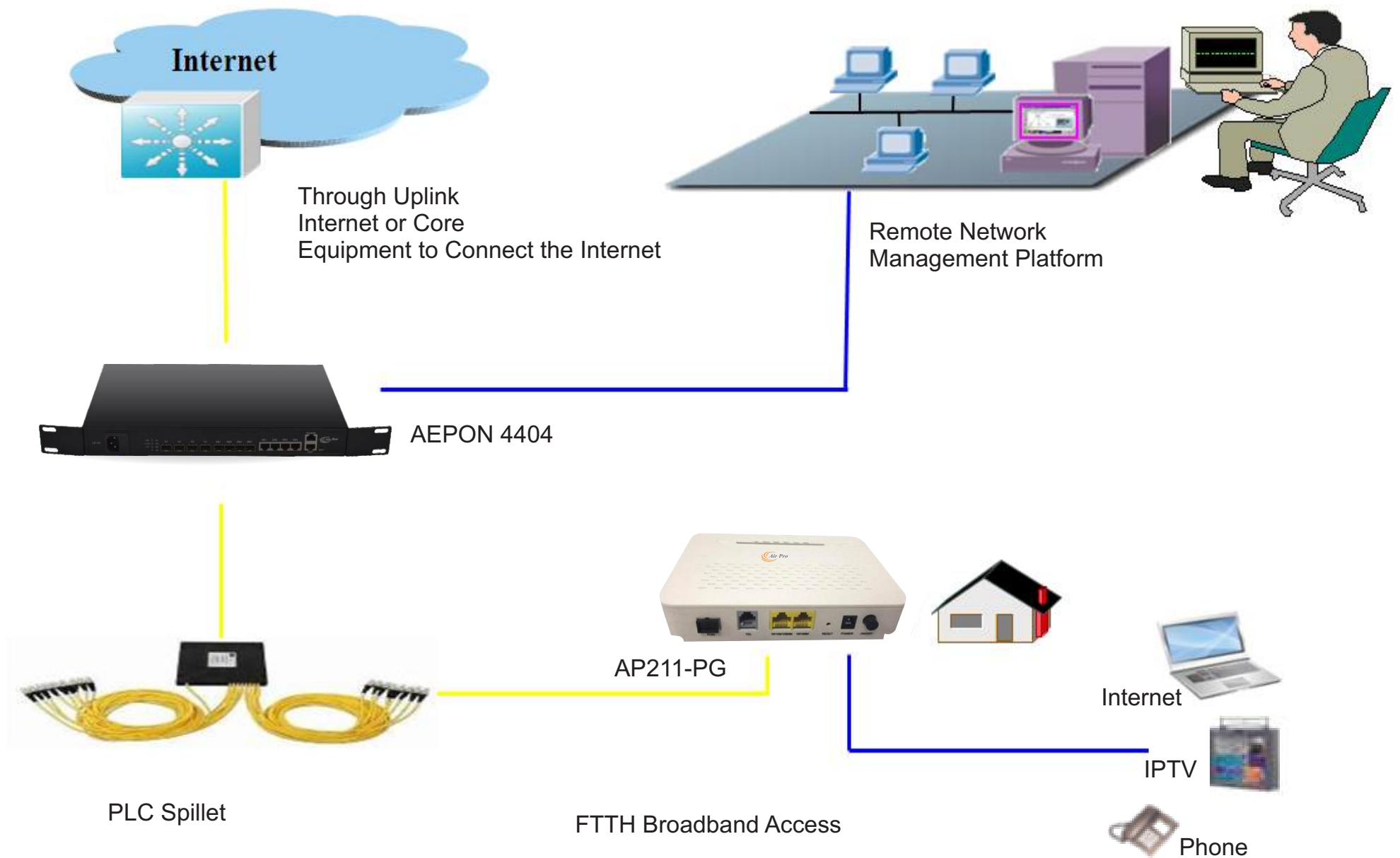| LED INDICATOR	
LEDS	PWR: Power LOS: Optical link PON: ONU Register FE: Link Status of Ethernet Interface FE/GE: Link Status of Ethernet Interface TEL: Voice ports

Environment Specifications	
Shell	Plastic casing
Power	External 12V 1A AC/DC power supply adapter Power consumption: <6W
Dimensions	160mm(L) x 120mm(W) x33mm (H) 0.2kg
Environment	Operating Temperature：0～50℃ StorageTemperature：-40～85℃ Operating Humidity：10%～90%(Non-condensing) StorageHumidity：10%～90%(Non-condensing)

APPLICATION

Solution : FTTH, FTTB, FTTO, PON+EOC

Business : Broadband Internet, Voice, IPTV, VOD, IP Camera

NETWORK CONSTRUCTION

Internet

Through Uplink
Internet or Core
Equipment to Connect the Internet

Remote Network
Management Platform

AEPON 4404

AP211-PG

Internet

IPTV

PLC Spillet

FTTH Broadband Access

Phone

Air Pro

www.airpro.in