AP 1404 FC

AP1404-FC - 4 Port FE+1CATV ONU

- In compliant with IEEE802.3ah Standard and CTC2.1
- Up to 20KM transmission Distance
- Support VLAN and IGMP
- Support port isolation between different ports
- Integrated OAM remote configuration and maintenance function

Air Pro

OVERVIEW

The AP1404FC ONU is mainly designed for FTTH,FTTO application. It supports 1000Base-PX20 standard with 1:64 maximum optical splitting ratio and 20km distance, and provide 1uplink GE PON port. It work together with OLT could realize flexible network structure and maintenance and provide total FTTx solutions.

It built in CATV Receiver to realize the analog or DVB TV signals transmission. It adopts single fiber WDM technology with downlink wavelength 1550nm and 1490nm, uplink wavelength 1310nm. It only needs one-core fiber to transmit data and CATV service. ONU AP1404FC has 1 PON port, four 10/100BASE-T ports and one CATV output.

KEY FEATURES

- In compliant with IEEE802.3ah Standard and CTC2.1
- Up to 20KM transmission Distance • Support VLAN and IGMP
- Support port isolation between different ports
- Integrated OAM remote configuration and maintenance function
- Plug and play, integrated auto detecting, auto configuration, and auto firmware upgrade technology
- EMS network management based on SNMP, convenient for maintenance
- Full speed non-blocking switching. • Support Q in Q VLAN, VLAN tag, VLAN trunk, etc.
- Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc.
- Support auto polarity detection of Ethernet ports (AUTO MDIX).
- Integrated IEEE802.1p QoS with four level priority queues.
- Support IPv4 IGMP snooping and IPv6 MLD snooping.

CATV Service Functions

- Turn on/off RF output remotely • Wavelength：1550 +/- 10nm
- Optical return loss：>45dB • Input optical power：-8dBm～+2dBm
- RF frequency：47MHz~875MHz • RF output lever：75～80dBuV
- CNR：>46dB，CSO: >58dBc，CTB: >58dBc • RF output return loss：>14dB
- RF impedance：75Ohm

TECHNICAL SPECIFICATIONS

Interface	
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 Interface	4*10/100Mauto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance 1 RF output Female F-Type Connector
Power Interface	12V DC Power supply

TECHNICAL SPECIFICATIONS

Performance Parameteres	
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	PON Throughput: Downstream 950Mbps; Upstream 930Mbps
Parameter	Ethernet: 100Mbps Packet Loss Ratio: <1*10E-12 Latency: <1.5ms
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 link detection

Network Management	
Management Mode	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management
Management Function	Status monitor, Configuration management, Alarm management, Log management

LED INDICATOR	
LEDS	PWR, SYS,PON, LAN1~LAN4, CATV

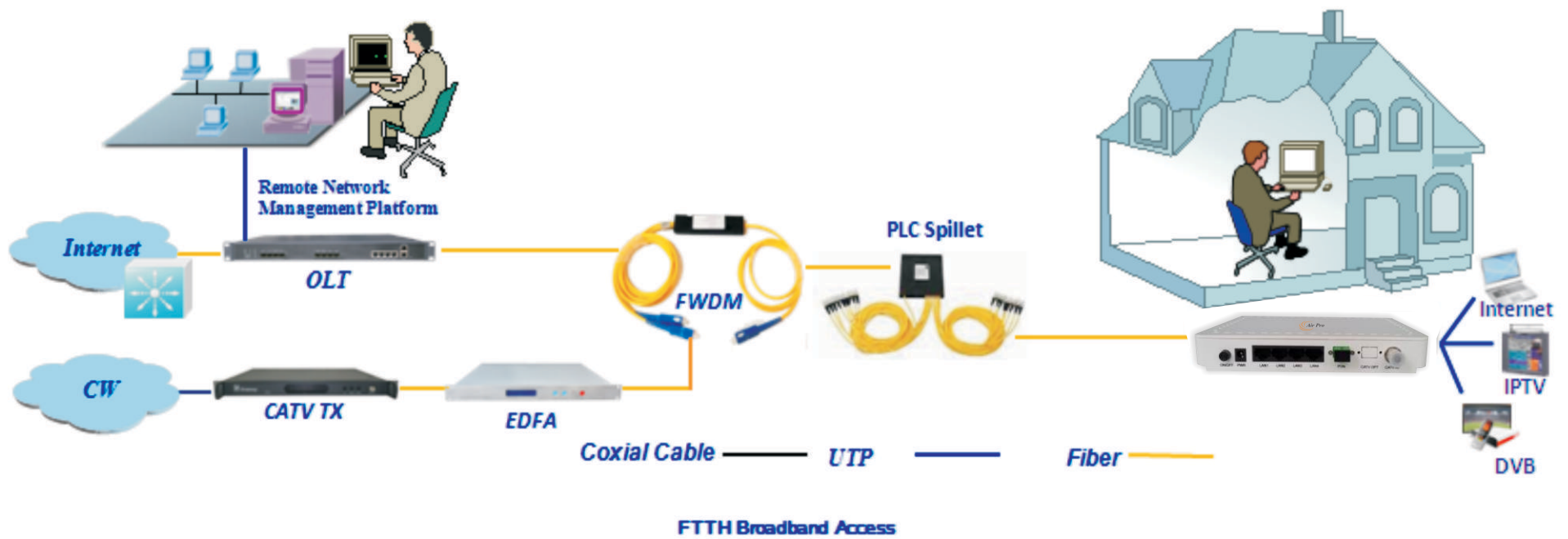| Environment Specifications	
Shell	Plastic casing
Power	External 12V 0.5A AC/DC power supply adapter Power consumption: <4.3W
Dimensions and weight	Item Dimension : 200mm(L) x 140mm(W) x33mm (H) Item Weight : 0.35kg
Environment Speifications	Operating Temperature：0～50% StorageTemperature：-40～85% Operating Humidity：10%～90%(Non-condensing) StorageHumidity：10%～90%(Non-condensing)

APPLICATION

Typical Solution : FTTH, FTTO, PON+EOC

Typical Business : Internet, CATV, IPTV, VOD, IP Camera

NETWORK CONSTRUCTION

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