Wodaplug FD104GH 4GE EPON ONU

🔸 Brief Views

EPON ONU FD104GH is designed mainly for FTTH ,FTTO application. EPON ONU FD104GH support 1000Base-PX20+ standard with 1:64 maximum optical splitting ratio, 20km distance and provide 1uplink EPON port.

ONU FD104GH together with OLT could realize flexible network structure, maintenance and provide total FTTx solutions.

ONU FD104GH has 1 PON port , 4*10/100/1000M BASE-T ports .

🔸 Functional Feature

- 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 , 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 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 software online upgrading
- EMS network management based on SNMP, convenient for maintenance

Specification

Item	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	4*10/100/1000Mauto-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: 0～4dBm Rx Sensitivity: -27dBm Saturation Optical Power: -3dBm Connector Type: SC Optical Fiber: 9/125Чm single-mode fiber
Data Transmission Parameter	PON Throughput: Downstream 950Mbps; Upstream 930Mbps Ethernet: 1000Mbps 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	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	PWR: Power up or down OPTIN: Optical Link Status LINK: ONU Registered LAN: Link Status of Ethernet Interface

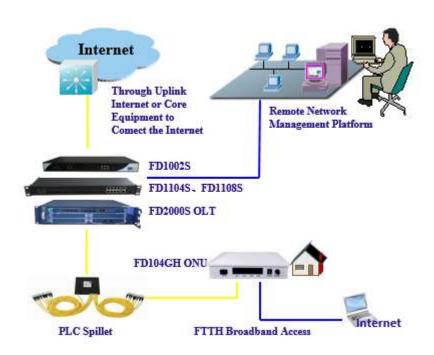| Shell	Plastic casing
Power	External 12V 0.5A AC/DC power supply adapter Power consumption: < 2.5W
Physical Specifications	Item Dimension: 160mm(L) x 120mm(W) x 32.5mm (H) Item weight: 0.2kg
Environmental Specifications	Operating temperature:　0 to 50 ºC Storage temperature: -40 to 85 ºC Operating humidity: 10% to 90% (Non-condensing) Storage humidity: 10% to 90% (Non-condensing)

Application

◇ Typical Solution: FTTH
◇ Typical Business: INTERNET、IPTV、IP Camera

Figure: FD104GH Application Diagram

Ordering information

Product Name	Product Model	Descriptions
SFU EPON ONU	FD104GH	4*10/100/1000M Ethernet interface, 1 EPON interface, plastic casing, external power supply adapter