ONU-4FE (Optical Network Unit)

4 10/100M LAN FTTH EPON ONU

PRODUCT DESCRIPTION

ONU-4FE optical network unit (ONU), based Gigabit Ethernet Passive Optical Network FTTH EPON system user side equipment, combined EPON OLT (Optical Line Terminal) via a passive optical network PON, to achieve a multipoint (P2MP) high-speed data transmission. Provides powerful data, voice and video and other broadband services to users.

All the chips of ONU-4FE are used with top brands, it could offer 4 10M/100M Ethernet port for users. This products implementation of the national Ministry of interoperability standards, compatible with multiple other manufacturers' EPON OLT, highly achieved interoperability. It's high quality, high reliability and high cost performance make it as the ideal choice for all system integrators and operators.

PRODUCT FEATURE

- Accord with IEEE802.3/802.3ah completely.
- Powerful L2 switch function.
- High rate PON: up/down-bound symmetry 1Gb/s data, VoIP language and IPTV.
- ONU subscriber authenticate, auto-identify, plug and play, DBA dynamic bandwidth distribute.
- Qos functions based on the service level agreement.
- Remote management function supported by the powerful OAM function.
- Metal shell, supply safeguards to opto-electrical sensing device
- High output level can supply for many users
- Low power consumption, high cost performance

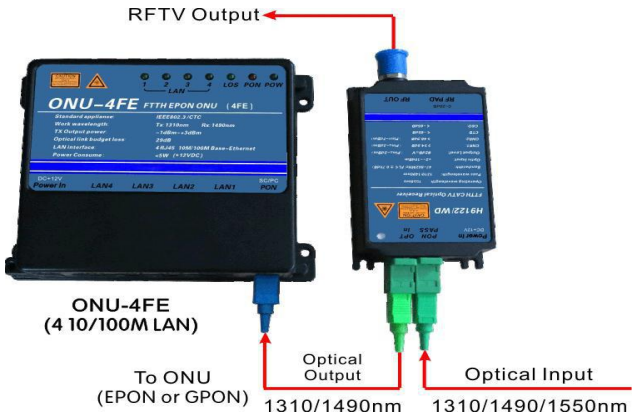
MAIN APPLICATION

- FTTH PON
- Integration of three networks

ONU-4FE APPLICATION OF TRIPLE PLAY

ONU-4FE combined H9122, in Triplexer wave, CATV FTTH, triple play application.

ONU-4FE combined H9122L, in Triplexer wave, digital television FTTH (ultra-low-light-receiving), triple play applications.



TECHNICAL INDEX

Standard appliance	IEEE802.3/802.3ah	Fiber interface performance	SC/APC
Work wavelength	Tx：1310nm，Rx：1490nm	Fiber type standare	Single mode fiber SMF
Tx Output Power	-1dBm ~ +3dBm	Rx receiver sensitivity	-26dBm
Transmit rate	1Gbps up/down bound symmetry	Optical link budget loss	29dB
Service quality	QoS IEEE802.1p IPV4 TOS	Subscriber identification	ONU IEEE802.1x
Dynamic bandwidth	DBA The biggest bandwidth of every ONU subscriber and assure the allocate with quantity		
L2 switch function	MAC address management:8K Rate Limiting;Support IGMP Snooping (V1/V2) inquiry		
	Support IEEE802.1d STP support IEEE802.1q VLAN		
Management mode	Web Server , SNMP data collect, can remote escalate built-in software by HTTP		
LAN interface	Standard appliance	IEEE802.310Base-t，IEEE802.3u 100Base-Tx/Fx IEEE802.3x	
	Interface and the number	4 RJ45, 10M/100M Ethernet network port	
Power supply	DC+12V （(±1.0V)）		
Power Consume	12W (+12VDC,1000mA)		
Work temp	-20℃~+50℃		
Storage temp	-40℃~85℃		
Work relative temp	5%~95%		
Size	100×98×24mm (W)×(D)×(H)		

GUANGTAI EPON ONU RELATED PRODUCTS

1.ONU-4FE: 4 10M/100M Ethernet port.

2.ONU-4FE-WiFi: 4 10M/100M Ethernet ports, with Wi-Fi.

3.ONU-1GE: 1 10M/100M/1000M Ethernet port.

4.ONU-4GE: 4 10M/100M/1000M Ethernet port.

5.H9122-4FE-SF: Analog TV or Digital TV +4 FE, Single fiber access.

6.H9122-4FE-DF: Analog TV or Digital TV +4 FE, Dual fiber access.

7.H9122L-4FE-SF: Digital TV ultra low light receiver +4 FE, Single fiber access.

8.H9122L-4FE-DF: Digital TV ultra low light receiver +4 FE, Dual fiber access.

9.H9122-4FE-WiFi-SF: Analog TV or Digital TV+4 FE + WiFi, Single fiber access.

10.H9122-4FE-WiFi-DF: Analog TV or Digital TV +4 FE + WiFi, Dual fiber access.N.

11.H9122L-4FE-WiFi-SF: Digital TV ultra low light receiver +4 FE + WiFi, Single fiber access.

12.H9122L-4FE-WiFi-DF: Digital TVultra low light receiver +4 FE + WiFi, Dual fiber access.

Precautions

1.Power Adapter Type：Input 220V， output DC power 12V（1A）

2.PON port with SC/APC fiber connector. Need put protective seal when the connector not in use, make sure the optical connector are cleaning.

3.When Optical signal connected with the PON port, the indicator light of PON port will turn on. If the light turns on and stable, it means the signal with center office network well connected and registered. If the light flashes, then means the signal not well connected and registered, need ouble check.

4.LOS lights turn on, means the self-test not pass. If the PON indicator light shows stable, but LOS lights turn on, it means the device is faulty.

5.4 LAN indicator light corresponds to 4 10M/100M Ethernet interface, when lights flashing, it Means the link well connected, and all data well transferred.