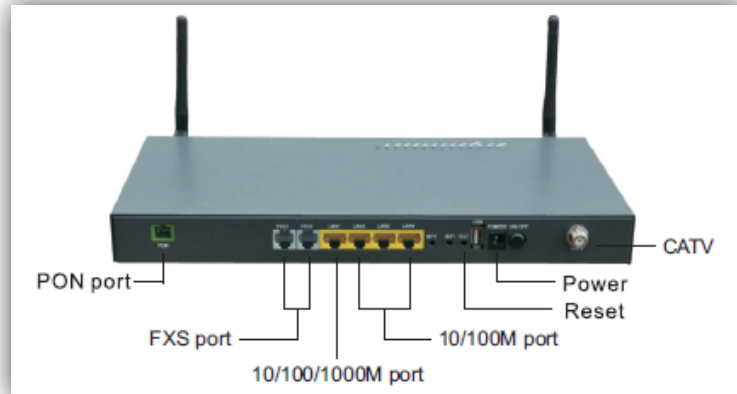


ONU-8082 : 1GE+3FE+2POTS+WIFI+CATV



ONU-8081U (1GE+3FE+2POTS+WIFI+CATV) is an EPON user terminal, which meets the SOHO broadband access , FTTH broadband speed ,FFTH/FTTD of cable-television operator. The equipment based on mature, stable, cost-effective Gigabit EPON technology combines Gigabit Ethernet switching technology, WIFI and high-quality VoIP technology. It has high reliability, ease of administration and good QOS. The technology performance meets the IEEE802.3ah, China Telecom EPON equipment technical requirements (V2.1) specification requirements.

1. Special Features

1.1 Data service function

- Full speed without blocking exchange
- 8K MAC address table
- Support Full Range VLAN ID
- Support QinQ VLAN、 1:1VLAN、 VLAN Trunk etc.
- Support port monitor, port mirror ,port speed limit, port SLA etc.
- QoS based on interface,IEEE802.1p,IPV4 (ToS),Diff-Serv,IPV6,802.1Q VLANID, destination MAC or source MAC.
- The Ethernet interfaces according to the specifications of the IEEE802.3.
- 128-bit AES encryption algorithm.
- According to 802.1x remote management and user authentication

1.2 Telephone service function

- Support SIP protocol , H.248 protocol , H.323 optional.
- Support ITU-T G.711、 G.723.1、 G.729 compression algorithm
- Echo cancellation meets ITU-T G.168-2002. echo cancellation for the longest is 128ms.
- Support OSPF,T38.
- Support RFC2833 and RFC2833 redundant, distinctive ringing ,MD5certificate,call forwarding, call waiting, telephone hotline, alarm clock, abbreviated dialing and etc.
- Support two POTS interface three-way calling, three-way calling support local mixing.
- Support POTS GR909 line test function.
- Support dynamic PPPoE, dhcp and static IP.
- Support CTC2.1 standard
- 7×24h call lose≤0.01%

1.3 CATV service function

- CATV radio frequency feature (optional)
- Output level 95dBuv (input-6dBm)
- AGC working range 10dB CNR≥46dB@-6dBm (input)

Type	Specification	Remark
Connect port	1 EPON SC port	EPON Fiber port
	1 RJ-45 10/100/1000M Ethernet ports 3 RJ-45 10/100M Ethernet ports	To connect Router/Switch/PC
	2 FXS ports	To connect phone
	1 wireless port	To connect PC
	1 CATV port	To connect TV
Features	Complies with IEEE802.3ah standard	
	Powerful OAM function	
	Max transmission 20KM distance	
	Max transmission speed 1.25G/1.25G	
	Support DBA(Dynamic Bandwidth Assignment)	
Power supply	12V/ 2A	
Working environment	-10°C~55°C	Operating temperture
	10%-90% NO coagulation	Relative humidity
Installing place	At user site	