EPON OLT

EPON OLT Mini , 4 SFP PON ports , 4x 10/100/1000M ports RJ45

FOCOMM

FEATURE

- Supply 4 SFP PON ports, 4 1000M uplink ports
- one 10/100M RJ45 management port, one console port
- Each PON port support 1:64 split ratio, total 256 ONUs
- Distance can reach 20km under 1:32 split ratio, 10km under 1:64
- Support to work ONUs to establish passive network
- Apply for town,village fiber network and surveillance, apply for FTTX
  network, to transmit IP phone, data,IPTV and other IP services access

OVERVIEW

FO-7004S is mini standalone type 4PON OLT,supplies 4 SFP PON ports,4 Gigabit RJ45 uplink ports . It works with FO-7004S series ONU and ODN, to establish a passive optic network. The whole system supports 4-PON, 256 ONUs. It supports 10~20km transmission distance at the base of high bandwidth, and supports full line speed L2/L3 transition capacity.

Each PON system supports maximum 256 Logical Link Identifiers (LLID) and 1.25Gbps bandwidth independently. It adapts to counties, towns and villages fiber network access. It is also adapt to FTTH/FTTB/FTTO projects, to implement fiber to the home, such as IP phone, Ethernet data and IPTV services access.

APPLICATION

1000M point to multi-point optic passive network

TECHNICAL SPECIFICATION

Parameter	Specification
Operating wavelength	1310(RX) /1490(TX)
Optical power	+0 ~ +7dBm
Receiving sensitivity	-27dBm
Max distance	20km
Max splitter ratio	1:64
Capacity	4 PON,Maximum: 256 ONUs
MAC	16K
Uplink port	4 1000M RJ45
PON port	4 SFP PON ports
Control port	1RJ45, RS232, to debug the device
	1FE port
MTBF	100,000 hours
EPON traits	Support IEEE802.3ah
	Support DBA with minimum1Kbps granularity adjustable
	Support 1Gbps up link and down link symmetrical bandwidth
	Support AES-128 encryption to each Logical Link Identifier
	Support powerful OAM function, implement telnet
	management,maintenance and upgrade
	Support auto discovery and auto register of ONU (real-time operation)
Protocols supported	Support IEEE802.3, IEEE802.3u, IEEE802.3ab
	Support IEEE802.1Q VLAN
	Support IEEE 802.1P QoS
	Support WEB management, support SNMP, CLI

WORKING ENVIRONMENT

Parameter	Specification
Power	DC12V 5A
Power consumption	20W
Operating temperature	-10~55 ^{o}C
Storage temperature	-40~70 ^{o}C
Humidity	5%--90% non-condensing
Dimension	55mm(height) ×135mm(width) ×152mm(length)

ORDER INFOMATION

PRODUCT	PART NUMBER
EPON OLT Mini , 4 SFP PON ports , 4x 10/100/1000M ports RJ45	FO-7004S