# EPON OLT

## GEPON OLT , 8 SFP PON ports , 4 x 1000M SFP ports , 4 Combo uplink ports

**FOCOMM**

## FEATURE

- Supply 8 SFP PON ports, 4 1000M SFP ports, 4 Combo uplink ports
- Each PON port support 1.64 split ratio, total 512 ONUs access
- Distance can reach 20km under 1:32 split ratio
- Support to work with series ONUs to establish passive network
- Support WEB and SNMP, integrate switching function
- 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-7308C is a U rack type 8 SFP PON ports OLT.FO-7308C works with series
ONU and ODN, to establish a passive optic network. The whole system supports 8-PON,
512 ONUs. It supports SNMP management and meets China Telecom EPON standards.
FO-7308C applies to counties, towns and villages fiber network access. It is also applied to
FTTH/FTTB/FTTO projects, for 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 | +2.5 ~ +7dBm |
| Receiving sensitivity | -27dBm |
| Max distance | 20km |
| Max splitter ratio | 1:64 |
| Capacity | 8 SFP PON, each PON supports max 64pcs ONU, total 512pcs ONU |
| MAC | 16k |
| Uplink port | 4 SFP ports + 4 Combo(SFP/TP) ports |
| PON port | 8 SFP 1000M fiber ports |
| Control port | 1 10/100/1000M RJ45 port |
| | 1 Console(RJ45), to debug the device |
| | 1 USB 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、 IEEE802.3z |
| --- | --- |
| | Support IEEE802.1Q VLAN、 IEEE802.1d Spanning Tree |
| | Support IEEE 802.1P QoS、 IEEE802.3X Flow Control |
| | Support IEEE802.3ad Trunk、 IEEE802.1W RSTP |
| Network management | Support GUI management based on SNMP |
| | Support WEB management and Telnet GUI management based on CLI |
| Other functions | Support 1GMPv1/v2 protocol report, query and leave message mouse |
| | Support DHCP Snooping |
| | Support Ipv4 address learning based at DHCP Snooping |
| | Support ARP Snooping, QoS etc |

## WORKING ENVIRONMENT

| Parameter | Specification |
| --- | --- |
| Power | Dual AC100~240V 50/60HZ |
| Power consumption | 35W |
| Operating temperature | -10~55 $^{o}$C |
| Storage temperature | -40~70 $^{o}$C |
| Humidity | 5%--90% non-condensing |
| Dimension | 440mm(length) * 260mm(width) * 44mm(height) |

## ORDER INFOMATION

| PRODUCT | PART NUMBER |
| --- | --- |
| GEPON OLT , 8 SFP PON ports , 4 x 1000M SFP ports , 4 Combo uplink ports | FO-7308C |