

EPON 1GE ONU (SFF)



Overview

EPON ONU is one of the EPON optical network unit design to meet the requirement of the broadband access network. It apply in FTTH/FTTO to provide the data and video service based on the EPON network.

EPON is the latest generations of access network technology. IEEE802.3ah is the standard protocol of EPON. The EPON standard differs from other PON standards in that it achieves higher bandwidth and higher efficiency using larger, variable-length packets. EPON offers efficient packaging of user traffic, with frame segmentation allowing higher quality of service (QOS) for delay-sensitive voice and video communications traffic. EPON networks provides the reliability and performance expected for business services and provides an attractive way to deliver residential services. EPON enables Fiber To The Home (FTTH) deployments economically resulting to accelerated growth worldwide.

Features

- Conform to IEEE802.3ah standard
- Support Ethernet service layer 2 switching and wire-speed forwarding of uplink and downlink services
- Support frame filtering and suppression
- Support standard 802.1Q Vlan function, support VLAN conversion
- Support 4094 VLANs (802.1Q)

- Support Dynamic Bandwidth Allocation (DBA) function
- Support QoS, including traffic flow classification, priority marking, queue and dispatch, traffic shaping and traffic control, etc
- Single ONU supports up to 1 LLID.
- Support IGMP Snooping
- Support Ethernet port rate limit, loop detection.Support power failure alarm
- Support lightning protection for power supply and lightning protection for service port

Item	Parameters	Specification
Interface	PON Port	1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/downstream SC single-mode fiber split ratio: 1:64 Transmission distance 20KM Receiving sensitivity:≤-28dBm Transmitting optical power:0~+4dBm
	Ethernet Port(LAN)	1*GE Auto-negotiation RJ45 ports Full Duplex / Half-Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
	Power Supply Port	12V DC input
Management	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
Environmental Specifications	Shell	Plastic casing
	Power	External 12V 0.5A DC power supply adapter Power consumption: <3W
	Dimensions	130mm(L) x102mm(W) x35mm (H) 0.3kg
	Environment	Operating Temperature: 0~50℃ Storage Temperature: -40~85℃ Operating Humidity: 10%~90%(Non-condensing) Storage Humidity: 10%~90%(Non-condensing)

Application

- ◇ Solution: FTTH
- ◇ Business: Broadband Internet、IPTV、VOD、IP Camera

Ordering information

Product Name	Product Model	Descriptions
EPON ONT	EPON-1G-ONT-C	1*GE PORT, plastic casing, external power supply adapter/Cortina chipset
EPON ONT	EPON-1G-ONT	1*GE PORT, plastic casing, external power supply adapter
GPON ONT	GPON-1G-ONT	1*GE PORT, plastic casing, external power supply adapter
XPON ONT	XPON-1G-ONT	1*GE PORT, plastic casing, external power supply adapter
EPON ONT	EPON-1G-ONT-WF	1*GE+WIFI, plastic casing, external power supply adapter
GPON ONT	GPON-1G-ONT-WF	1*GE+WIFI, plastic casing, external power supply adapter
XPON ONT	XPON-1G-ONT-WF	1*GE =WIFI, plastic casing, external power supply adapter
EPON ONT	EPON-1G1F-ONT-WF	1*GE+1FE+1POTS+WIFI
GPON ONT	GPON-1G1F-ONT-WF	1*GE+1FE++1POTS+WIFI
XPON ONT	XPON-1G1F-ONT-WF	1*GE +1FE+1POTS+WIFI
EPON ONT	EPON-1G1F-ONT-WFTV	1*GE+1FE+1POTS+WIFI+CATV
GPON ONT	GPON-1G1F-ONT-WFTV	1*GE+1FE++1POTS+WIFI+CATV
XPON ONT	XP8210C-A	1*GE +1FE+1POTS+WIFI+CATV
EPON ONT	EPON-4G2T-ONT-WFD	4*GE+2POTS+WIFI(2.4&5G)
GPON ONT	GPON-4G2T-ONT-WFD	4*GE+2POTS+WIFI(2.4&5G)
XPON ONT	XPON-4G2T-ONT-WFD	4*GE+2POTS+WIFI(2.4&5G)
EPON ONT	EPON-1G3F1T-ONT-WF	1*GE+3FE+1POTS+WIFI
GPON ONT	GPON-1G3F1T-ONT-WF	1*GE+3FE++1POTS+WIFI

GPON ONT	GPON-1G3F1T-ONT-WF	1*GE+3FE++1POTS+WIFI
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