

XPON 1GE ONT



1GE XPON ONT is one of the XPON 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 XPON network.

It provide one GE auto-adapting Ethernet ports. The 1GE XPON ONT features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. Therefore, the 1GE XPON ONT provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment. It has good third-party compatibility to work with the third party OLT, such as Huawei/ZTE/Fiberhome.

Features

- Fully compatible with ITU-T G.984.1/2/3/4,IEEE802.3ah
- Support downlink rate 2.448Gbit/s, uplink rate is 1.244Gbit/s
- Support 32 TCONT, 256 GEMPORT
- Support bidirectional FEC,supports the RS (255, 239) FECdecoding
- Support AES128 encryption and decryption functions with G.984 standard
- Support DBA bandwidth allocation
- Support three layer routing functions
- Support PLOAM, embedded OMCI management with G.984 standard
- Support Dying-Gas detection and reporting
- Support rogue ONU detection
- Support XPON energy saving of G987.3 protocol
- Support Tag/Untag Ethernet frame of 802.1 and Q 802.3 standard, support QinQ

- Support for flexible flow classification, maximum 520 flow classification rules
- Support link error monitoring and loop monitoring
- Support a variety of multicast forwarding mode, support multicast replication
- Auto-negotiation and manual settings of Ethernet supporting rate, duplex mode
- UNI interface supports STP/RSTP protocol
- Provide QoS guarantees for different priority business through SLA restraining, Policing, queue management scheduling / congestion avoidance, discarding management mode
- Support flow control based on entrance , choose Pause frame reaction pressure to Packet loss for the business beyond
- Support HQoS function

Specification

Item	Parameters	Specification
Interface	PON Port	1*XPON port, FSAN G.984.2 standard/IEEE802.3ah Downstream Data Rate: 2.488Gbps Upstream Data Rate: 1.244Gbps SC/UPC single mode fiber 28dB Link loss and 20KM distance with 1:128 Receiving sensitivity:≤-30dBm 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	Standard compliant OMCI interface as defined by ITU-T G.984.4 Support WEB management
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Environmental Specifications	Shell	Plastic casing
	Power	External 12V 0.5ADC power supply adapter Power consumption: <3W
	Dimensions	110mm(L) x100mm(W) x23mm (H) 0.3kg
	Environment	Operating Temperature: 0~50°C Storage Temperature: -40~85°C Operating Humidity: 10%~90%(Non-condensing) Storage Humidity: 10%~90%(Non-condensing)

Ordering information

Product Name	Product Model	Descriptions
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