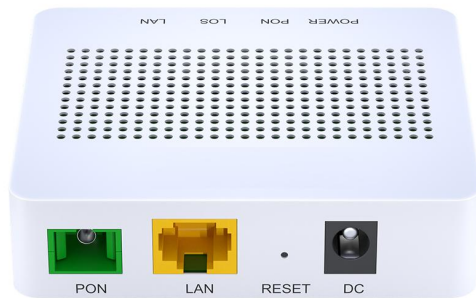

XN10 XPON ONU Specifications

V1.0

XN10(1GE)

XN10 is designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators.



Features

- Support EPON/GPON dual mode
- Support Multiple VLAN
- Support Loopback detection
- Support SFU or HGU mode
- Comply with ITU-T G.984.x and IEEE802.3ah standards

XN10

Introduction

XN10 terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators. The box is based on the mature Gigabit XPON technology which can connect GPON OLT or EPON OLT automatically. They are highly reliable and easy management and guaranteed QoS. And It is fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.

Additional Features

- Support Dying Gasp
- Support DBA ,T-CONT and GEM Ports
- Support OAM and OMCI Management
- Support the rogue ONU alarm function
- Support Data encryption
- Support Static, DHCP and PPPOE Internet access modes
- Compatible with third-party OLT

Interface of device

Port Type	Function
PON port	PON Port connects to OLT with fiber
LAN port	RJ45 Port connects to local internet,1GE ports
Reset Button (RST)	Press down reset button and keep 5 seconds to make the device restart and recover from the factory default Settings.
PWR port (DC12 V)	Connect with power adapter

Indicators of device

Indicators	status	Description
POWER	Light on	ONU power supply normally
	Light off	ONU no power supply
PON	Light on	ONU link active
	Blink	ONU manage to link
	Light off	ONU receiving power rate lower than optical receiver sensitivity
LOS	Blink(Red)	Device does not receive optical signals.
	Light off	Device has received optical signal.
LAN	Light on	Network port linked, but no data transmitting
	Blink	Network port data pass
	Light off	The ONU is not powered on or the network cable is disconnected

GPON Interface Specifications

Parameter	Nominal
Connector style	SC/APC (SC/UPC Optional)
PON quantity	1
Fiber style	Single mode
Wavelength	TX: 1310 RX: 1490
PON interface standard	ITU-T G.984/ITU-T G.988/IEEE802.3ah
PON interface receiving rate	EPON:1.25Gpbs GPON:2.488Gpbs
PON interface transmitting rate	EPON:1.25Gpbs GPON:1.244Gpbs
Output optical power	Min:0dBm Max: +4dBm
Optical receiver sensitivity	Precede -28dBm
The length of the optical link	Max 20km

Physical structure, Environment and Electrical parameter

Parameter	Nominal
Dimension	90mm×80mm×26mm (L×W×H)
Net weight	0.2Kg (mainframe)
Typical power consumption	≤5W
Noise	None
Cooling style	Naturally cooling
Power supply	DC 12V
Installation style	Support PC, wall mount or put inside of information box.
Environment	0~50°C

Ordering information

Product Name	Product Model	Descriptions
XPON ONU	XN10	1GE ONU, User manual, Power supply adapter