

XGSPON Datasheet

1*10GE + 3*GE + 1*POTS
Model: XG-500F-NP



Product Overview

This product provides 1*XGSPON port, 1*10GE LAN port, 3*GE LAN port, 1 POTS, 1 USB port, high access speed up to 10Gbps downstream and 10Gbps upstream. It is widely compatible with the global mainstream OLT brand, supports plug-and-play, OMCI and TR069 remote maintenance features.

Key Features

- 1577nm wavelength downstream, 1270nm wavelength upstream
- XGSPON: 10Gbps line rate downstream, 10Gbps line rate upstream
- Complies with ITU-T G.9807
- Complies with ITU-T G.988 ONU management and control interface (OMCI)
- Up to 20KM transmission Distance
- Support data encryption, group broadcasting, port isolation, etc.
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software;
- Support port VLAN configuration
- Support power off alarm function, easy for link problem detection
- Support QoS configuration
- Support port binding
- Support port forwarding
- Support ACL to configure data packet filter flexibly
- Specialized design for system break down prevention to maintain stable system
- Support software online upgrading
- Support TR069 for ACS (Auto Config Server)
- Support PPPoE/DHCP Server/IPTV/POTS/NAT
- Support IPv6/IPv4
- Support Cloud Management

Technical Parameter

SOC	RTL9615C
Flash size	128MB/256MB
Memory size	256MB
User Interface	1*10GE RJ45 3*GE RJ45
	1*POTS
	1*USB
PON	XGSPON port Interface Type:SC-UPC/SC-APC Transmission distance: 20KM
	XGSPON: upstream 9.953Gbps /downstream 9.953Gbps Transmitting optical power: 5.5 ~ 7.5dBm Optical receive sensitivity:-29dBm Overload optical power: -8dBm
Ethernet	1*1000M/2.5GE/5GE/10GE auto-negotiation 3*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 30~100m distance
POTS Port	1*RJ11 connector Max 1km distance Balanced Ring, 55V RMS
Size	160mm*112mm*31mm (L) X(W) X(H)
Environment	Operating temperature:0°C~50°C Operating humidity:0% ~ 85% (non-condensing) Storage temperature:-40°C~75°C Storage humidity:5%~95% (non-condensing)
Power Supply	12V/1A DC power interface size:2.1mm/5.5mm
Power Consumption	< 12W