

Overview

Huawei OptiXstar P612E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 4 GE ports with PoE/PoE+ to provide high-quality voice, data, and HD video services.

Quick Spec

Table 1 shows the quick spec.

Model	Huawei OptiXstar P612E
NNI	GPON
UNI	4*GE(PoE/PoE+)
Dimensions (W x D x H)	190mm x 130mm x 35mm (Without floor mat)

Product Details

Huawei OptiXstar P612E provides these highlights:

- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- The PoE/PoE+ function supports flexible power supply
- Features high reliability, type B dual-homing service protection

Compare to Similar Items

Table 2 shows the comparison.

Model	Huawei OptixStar P602E	Huawei OptixStar P603E	Huawei OptixStar P612E	Huawei OptixStar P613E	Huawei OptixStar P622E
NNI	GPON	GPON	GPON	GPON	Dual GPON
UNI	4*GE	8*GE	4*GE(PoE/PoE+)	8*GE, the POE1-POE4 ports support PoE/PoE+.	4*GE

Get More Information

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Specification

Huawei OptiXstar P612E Specification	
NNI	GPON
UNI	4*GE(PoE/PoE+)
Dimensions (W x D x H)	190mm x 130mm x 35mm (Without floor mat)
Operating temperature	-5°C to +45°C
Operating humidity	5%RH to 95%RH (non-condensing)
Power adapter input	100V to 240V AC, 50/60Hz

System power supply	56V DC, 1.42A
Static power consumption	7 W
Maximum power consumption	9 W (POE port without PD) 77 W (POE port with PD having the maximum power consumption)
Maximum PoE output power	Gross power 60W (up to 30W for one GE port)
Surge protection specifications	GE: common mode 4 kV; differential mode 0.5 kV. AC power: common mode 6kV; differential mode 6 kV
Installation mode	Support indoor desktop installation, wall mounting, or network box installation.
Port Parameters	
PON	· Port type: SC/UPC · Complying with ITU-T G.984.2, Class B+ · Receiver sensitivity: -27dBm; · Overload optical power: -8dBm; · Transmission rate: upstream 1.244 Gbit/s, downstream 2.488 Gbit/s · Type B single-homing · Type B dual-homing (supported in Layer 2 forwarding)
GE	· PoE and PoE+, complying with IEEE 802.3af and IEEE 802.3at · Port type: RJ-45 · Auto ports speed (10/100/1000 Mbit/s) · Auto-MDI/MDIX · Configuration of the number of MAC addresses learned · VLAN transparent transmission/VLAN filtering
Function List	
Automatic Service Provisioning	· Authentication exemption · XML/OMCI/TR069
Multicast	· IGMP v2/v3 snooping · Dynamic controllable multicast · IGMP proxy · MLDv1/MLDv2 snooping
Smart O&M	· XML/Web UI · Rogue ONT detection and self-regulation · Ring network detection/PPPoE/DHCP simulation testing
QoS	· Ethernet port rate limitation · 802.1p priority · SP/WRR/SP+WRR
Layer 3 Features	· Default/Static/Policy/Service routes · VLAN binding · ALG/UPnP/ARP · DDNS/DMZ/DNS/NAPT · PPPoE/Static IP/DHCP · Port mapping/Port trigger · IPv6
Layer 2 Management	· DHCP Option82 · PITP · BPDU transparent transmission · LLDP/LLDP-MED
Security	· 802.1x · IPv6/IPv4 firewalls · Filtering based on MAC/IP/URL · DoS/ARP anti-attacks · Static MAC address binding · Device access control · Web session number restriction

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- Tel: +1-626-655-0998 (USA) +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
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