

Overview

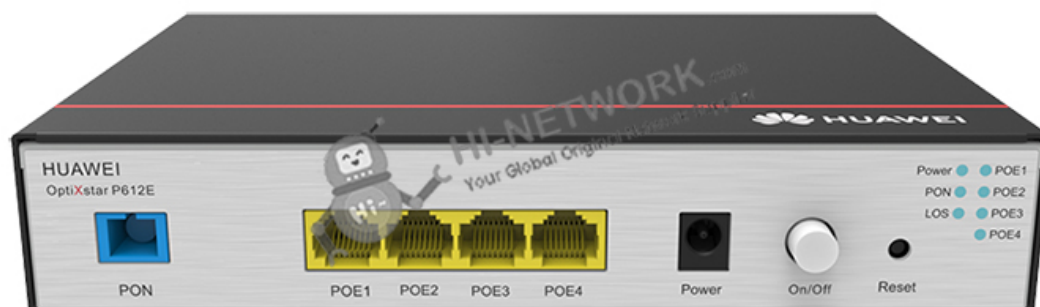
The Huawei OptiXstar P612E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 4 GE ports with PoE/PoE+ to provide high-quality voice, data, and HD video services.

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar P612E
Dimensions (W x D x H)	190mm x 130mm x 35mm (Without floor mat)
Weight	About 800g
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
NNI	GPON
UNI	4*GE (PoE/PoE+)
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 6 kV; differential mode 6 kV.

Figure 1 shows the appearance of OptiXstar P612E.





Product 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.

Product Details

Port Parameters

PON	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Authentication exemption • XML/OMCI/TR069
Smart O&M	<ul style="list-style-type: none"> • XML/Web UI • Rogue ONT detection and self-regulation • Ring network detection/PPPoE/DHCP simulation testing
Layer 3 Features	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • DHCP Option82





	<ul style="list-style-type: none"> • PTP • BPDU transparent transmission • LLDP/LLDP-MED
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • Dynamic controllable multicast • IGMP proxy • MLDv1/MLDv2 snooping
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR
Security	<ul style="list-style-type: none"> • 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

Compare to Similar Items

Table 2 shows the comparison.

Model	OptixStar P602E	OptixStar P603E	OptixStar P612E	OptixStar P613E	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

Do you have any question about the OptiXstar P612E?

Contact us now via info@hi-network.com.

Specification

OptiXstar P612E Specification	
Dimensions (W x D x H)	190mm x 130mm x 35mm (Without floor mat)
Weight	About 800g
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
NNI	GPON
UNI	4*GE (PoE/PoE+)
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 6 kV; differential mode 6 kV.
PON	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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
Installation Mode	Support indoor desktop installation, wall mounting, or network box installation.

Want to Buy

[Get a Quote](#)

[Learn More](#) about Hi-Network

[Search](#) our Resource Library

[Follow](#) us on LinkedIn

 Contact for [Sales or Support](#)

Contact HI-NETWORK.COM For Global Fast Shipping

HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223