

Overview

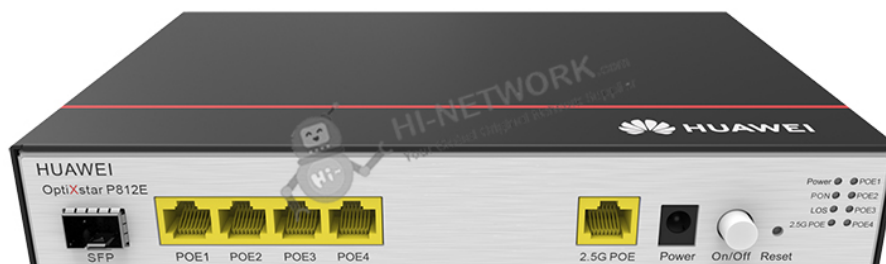
The OptiXstar P812E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 4 GE ports and 1 2.5GE port to provide high-quality voice, data, and HD video services.

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar P812E
Dimensions (W x D x H)	220mm x 150mm x 35mm (Without floor mat)
Weight	About 1030g
Operating Temperature	-5°C to 45°C
Operating Humidity	5% to 95% RH (non-condensing)
Power Adapter Input	100-240 V AC, 50/60 Hz
System Power Supply	56 V DC, 1.42A
NNI	1 x XGS-PON
UNI	4 x GE and 1 x 2.5 GE NOTE: Both the GE and 2.5GE ports support PoE/PoE+.
Static Power Consumption	8.5 W
Maximum PoE Output Power	Gross power 60 W (up to 30 W per GE port)

Figure 1 shows the appearance of OptiXstar P812E.





Product Details

Port Parameters

SFP	• XGS-PON optical module, port type: SC/UPC • XGS-PON; – Class N1/N2; – Receiver sensitivity: -28dBm; – Overload optical power: -9dBm; – Transmission rate: upstream 9.953 Gbit/s, downstream 9.953 Gbit/s • Type B single-homing • Type B dual-homing (supported in Layer 2 forwarding)
GE/2.5GE	• PoE and PoE+, complying with IEEE 802.3af and IEEE 802.3at • Port type: RJ-45 • GE ports: Auto ports speed (10/100/1000 Mbit/s) • 2.5GE ports: Auto ports speed (1000/2500 Mbit/s) • Auto-MDI/MDIX • Configuration of the number of MAC addresses learned • VLAN transparent transmission/VLAN filtering

Product Function

Automatic Service Provisionin	• Authenticati on exemption • XML/OMCI/TR069
Smart O&M	• XML/Web UI • Rogue ONT detection and self-regulation • Ring network detection/PPPoE/DHCP simulation testing
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
Multicast	• IGMP v2/v3 snooping • Dynamic controllable multicast • IGMP proxy



	• MLDv1/ML
QoS	• Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR
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

Compare to Similar Items

Table 2 shows the comparison.

Model	OptiXstar P802E	OptiXstar P803E	OptiXstar P812E	OptiXstar P813E
NNI	XGS-PON	XGS-PON	XGS-PON	XGS-PON
UNI	4*GE	8*GE	4*GE+1*2.5GE NOTE: Both the GE and 2.5GE ports support PoE/PoE+	8*GE (PoE/PoE+)

Get More Information

Do you have any question about the OptiXstar P812E?

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

Specification

OptiXstar P812E Specification	
Dimensions (W x D x H)	220mm x 150mm x 35mm (Without floor mat)
Weight	About 1030g
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	56 V DC, 1.42A
NNI	XGS-PON



UNI	4*GE+1*2.5GE NOTE: Both the GE and 2.5GE ports support PoE/PoE+
Static Power Consumption	8.5 W
Typical Power Consumption	14 W (PoE port without PD)
Maximum Power Consumption	12 W (POE port without PD) 78 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.
SFP	• XGS-PON optical module, port type: SC/UPC • XGS-PON; – Class N1/N2; – Receiver sensitivity: -28dBm; – Overload optical power: -9dBm; – Transmission rate: upstream 9.953 Gbit/s, downstream 9.953 Gbit/s • Type B single-homing • Type B dual-homing (supported in Layer 2 forwarding)
GE/2.5GE	• PoE and PoE+, complying with IEEE 802.3af and IEEE 802.3at • Port type: RJ-45 • GE ports: Auto ports speed (10/100/1000 Mbit/s) • 2.5GE ports: Auto ports speed (1000/2500 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.

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Email: info@hi-network.com

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