

Overview

The OptiXstar P802E is an ONU designed for scenarios such as enterprise campus and video backhaul. It supports XGS-PON uplink access and provides 4 GE ports to provide high-quality voice, data, and HD video services.

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar P802E
Dimensions (W x D x H)	160mm x 110mm x 30mm (Without floor mat)
Weight	About 480g
Operating Temperature	-40°C to +55°C
Operating Humidity	5%RH to 95%RH (non-condensing)
Power Adapter Input	100V to 240V AC, 50/60Hz
System Power Supply	11V to 14V (typical 12 V), 1A
NNI	XGS-PON
UNI	4*GE
Static Power Consumption	4.5 W
Maximum Power Consumption	6 W
Surge Protection Specifications	GE: common mode 6 kV; differential mode 1.5 kV. AC power: common mode 6 kV; differential mode 6 kV.

Figure 1 shows the appearance of OptiXstar P802E.





Product Highlights

- Compact design, plug and play, flexible and easy to install.
- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- Supports XGS-PON uplink access.
- Supports -40°C to +55°C wide temperature range with strong environment adaptability.
- Features high reliability, 6 kV surge protection in common mode, and type B dual-homing service protection.

Product Details

Port Parameters

SFP	<ul style="list-style-type: none"> • Support XGS-PON optical module • 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	<ul style="list-style-type: none"> • 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 • PITP • 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 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 P802E?

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

Specification

OptiXstar P802E Specification	
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Installation Mode	Support outdoor network box installation and indoor desktop installation, wall mounting, or network box installation.

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