

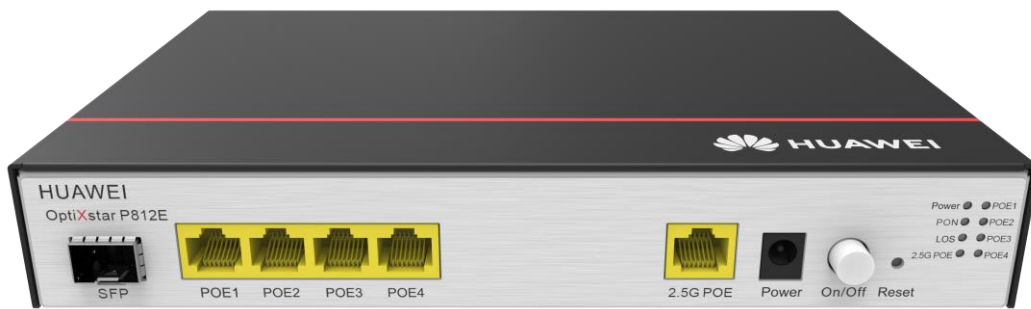
OptiXstar P812E Datasheet

Enterprise-Level Routing Gateway ONU

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Product 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.



Product Highlights

- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- Supports XGS-PON uplink, 2.5G high bandwidth access.
- The PoE/PoE+ function supports flexible power supply.
- Features high reliability, type B dual-homing service protection.

Technical Specifications

Dimensions (WxDxH)	220mm x 150mm x 35mm(Without floor mat)	UNI	4*GE+1*2.5GE NOTE Both the GE and 2.5GE ports support PoE/PoE+.
Weight	About 1030 g	Static powerconsumption	8.5 W
Operating temperature	-5°C to +45°C	Maximum power	12 W (POE port without PD) 78 W (POE port with PD having the maximum

		consumption	power consumption)
Operating humidity	5%RH to 95%RH (non-condensing)	Maximum PoE output power	Gross power 60W (up to 30W for one GE port)
Power adapter input	100V to 240V AC, 50/60Hz	Surge protection specifications	GE: common mode 4 kV; differential mode 0.5 kV. AC power: common mode 6 kV; differential mode 6 kV
System power supply	56V DC, 1.42A	Installation mode	Support indoor desktop installation, wall mounting, or network box installation.
NNI	XGS-PON	-	-

Port Parameters

SFP	GE/2.5GE
<ul style="list-style-type: none"> XGS-PON optical module, port type: SC/UPC XGS-PON; <ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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

Function List


Automatic Service Provisioning	Smart O&M	Layer 3 Features	Security
<ul style="list-style-type: none"> Authentication exemption XML/OMCI/TR069 	<ul style="list-style-type: none"> XML/Web UI Rogue ONT detection and self-regulation Ring network detection/PPPoE/DHCP simulation testing 	<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 	<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
Multicast	QoS	Layer 2 Management	
<ul style="list-style-type: none"> IGMP v2/v3 snooping Dynamic controllable multicast IGMP proxy MLDv1/ML 	<ul style="list-style-type: none"> Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR 	<ul style="list-style-type: none"> DHCP Option82 PITP BPDU transparent transmission LLDP/LLDP-MED 	

Dv2 snooping			
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