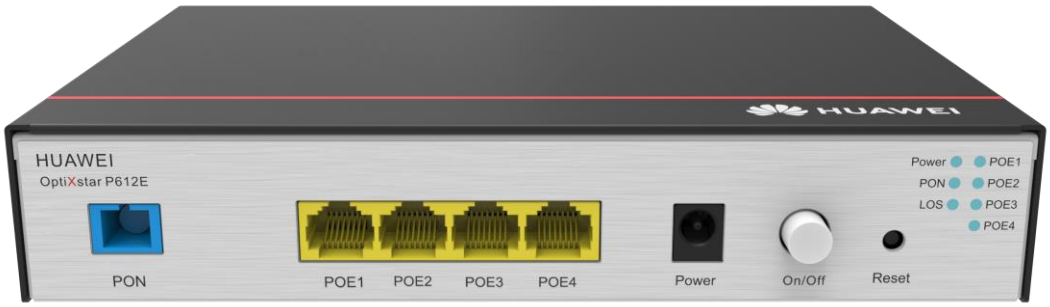
Huawei OptiXstar P612E Datasheet 03

Enterprise-Level Routing Gateway ONU Date: 2020-12-10

Product 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.



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.

Technical Specifications

Dimensions (WxDxH)	190mm x 130mm x 35mm(Without floor mat)	**UNI**	4*GE(PoE/PoE+)
Weight	About 800 g	**NNI**	GPON
Operating temperature	-5°C to +45°C	**Static power consumption**	7 W
Operating humidity	5%RH to 95%RH (non-condensing)	**Maximum power consumption**	9 W (POE port without PD) 77 W (POE port with PD having the maximum power consumption)

Storage temperature	-40℃ to +70℃	**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.

Port Parameters

GPON	GE
• Port type: SC/UPC • Complying with ITU-T G.984.2, Class B+ • Receiver sensitivity: -27dBm ~ -29dBm; • 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)	• 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	Smart O&M	Layer 3 Features	Security
• Authentication exemption • XML/OMCI/TR069	• XML/Web UI • Rogue ONT detection and self-regulation • Ring network detection/PPPoE/DHCP simulation testing	• Default/Static/Policy/Service routes • VLAN binding • ALG/UPnP/ARP • DDNS/DMZ/DNS/NAPT • PPPoE/Static IP/DHCP • Port mapping/Port trigger • IPv6	• 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**	
• IGMP v2/v3 snooping • Dynamic controllable multicast • IGMP proxy • MLDv1/MLDv2 snooping	• Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR	• DHCP Option82 • PITP • BPDU transparent transmission • LLDP/LLDP-MED	

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