

Huawei OptiXstar P612E-E Datasheet

Enterprise-Level Routing Gateway ONU

Product Overview

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

Date: 2024-02-06



Product Highlights

- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- Supports -40° C to +55° C wide temperature range with strong environment adaptability.
- The PoE/PoE+ function supports flexible power supply.
- Features high reliability, and supports type B service protection.
- Centralized management on eSight.
- Multi-network convergence, supporting ONU port-level hard-isolated. Different ports of an ONU can be securely connected
 to multiple networks through the hard-isolated technology.

Technical Specifications

Dimensions (WxDxH)	220mm x 150mm x 35mm(Without floor mat)	NNI	GPON
Operating temperature	-40°C to +55°C	UNI	4*GE, support PoE/PoE+.
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 6 kV; differential mode 1.5 kV.

			AC power: common mode 6 kV; differential mode 6 kV.
System power supply	56V DC, 1.42A(80W)	Installation mode	Can be placed horizontally on a desk, installed under a desk, mounted on a wall, or installed in a cabinet or network box.
Static power consumption	7.5 W	Maximum power consumption	9 W (POE port without PD) 80 W (POE port with PD having the maximum power consumption)
Weight	About 1.2kg	-	-

Port Parameters

GPON	GE	
 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) 	 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 	 XMLWeb 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 ONU Port-Level Hard- Isolated (V500R022C00 and later versions)
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 	

80 W Power Adapter Specifications

Specification	Power Adapter	
Appearance	Districtions constant and const	
Dimensions	152 mm (length) x 67 mm (width) x 38 mm (height)	
Power supply specifications	Input voltage: 100–240 V AC, 50 Hz/60 Hz Rated output voltage/current: 56 V DC/1.42 A Input/Output connector type: C14/DC straight audio plug 5521	
Power	80 W	
Weight	0.45 Kg	
Installation mode	Desktop	
Operating temperature	−40°C to +55°C	
Power cable	Specifications: 2464-22 AWG Cable length: 1.5 m	

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