

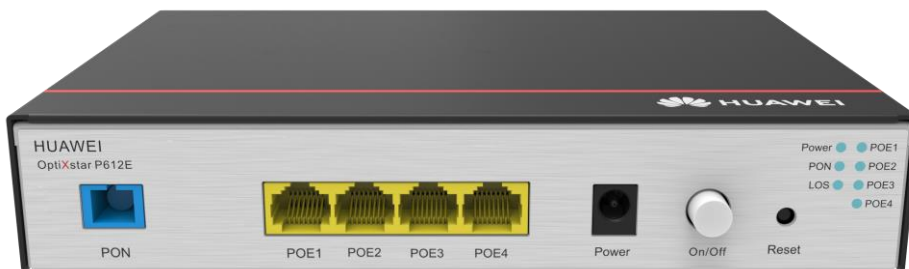
OptiXstar P612E Datasheet

Enterprise-Level Routing Gateway ONU

Date: 2019-10-30

Product Overview

The 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	Static power consumption	7 W
Operating temperature	-5°C to +45°C	Maximum power consumption	9 W (POE port without PD) 77 W (POE port with PD having the maximum 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	100V to 240V AC, 50/60Hz	Surge protection	GE: common mode 4 kV; differential

input		specifications	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	GPON	-	-

Port Parameters

PON	GE
<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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
<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/MLDv2 snooping 	<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 	

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