

Huawei OptiXstar P602E Datasheet

Enterprise-Level Routing Gateway ONU

Date: 2024-05-16

Product Overview

The Huawei OptiXstar P602E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 4 GE ports to provide high-quality voice, data, and HD video services.



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 -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.

Technical Specifications

Dimensions (WxDxH)	160mm x 110mm x 30mm(Without floor mat)	NNI	GPON
Weight	About 480 g	UNI	4*GE
Operating temperature	-40°C to +55°C	Static power consumption	3.5 W
Operating humidity	5%RH to 95%RH (non-condensing)	Maximum power consumption	5 W
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	11V to 14V (typical 12 V), 1A	Installation mode	Support outdoor network box installation and indoor desktop installation, wall mounting, or network box installation.


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 ~ -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) 	<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	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 	


Power Adapter Specifications

Specification	Description
Appearance	
Dimensions	90 mm (L) × 46 mm (W) × 30 mm (H)
Power supply specifications	Rated input voltage: 100 V to 240 V AC, 50/60 Hz Rated output voltage/current: 12 V DC/1 A Input/output connector type: C8 / $\phi 2.1 \times \phi 5.5 \times 9.5$ mm, "H" plug DC head semi-insulated head
Power	12 W
Installation mode	Desktop
Operating temperature	–40°C to +55°C
Output power cable	Specifications: 24AWG Cable length: 1.5m

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