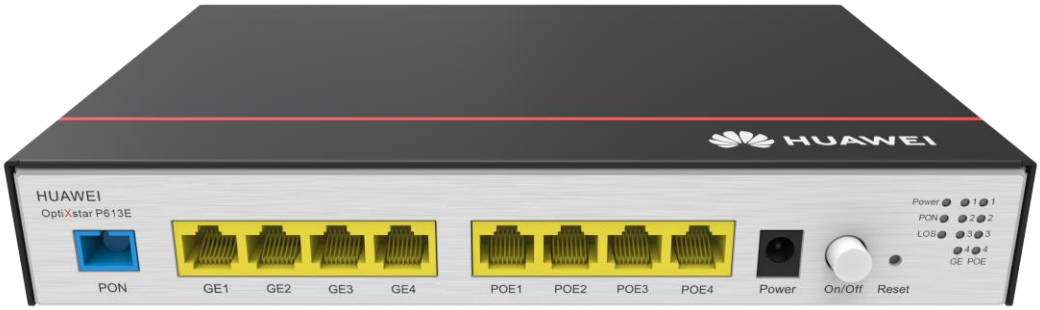
Huawei OptiXstar P613E Datasheet 03

Enterprise-Level Routing Gateway ONU Date: 2020-12-09

Product Overview

The Huawei OptiXstar P613E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 8 GE ports that there are 4 GE ports support PoE/PoE+.These ports 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)	220mm x 150mm x 35mm(Without floor mat)	**UNI**	8*GE, the POE1-POE4 ports support PoE/PoE+.
Weight	About 1030 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**	9.5 W (POE port without PD) 78 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	

Copyright © Huawei Technologies Co., Ltd. 2020. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions

HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Technologies Co., Ltd.

Address:Huawei Industrial Base Bantian, Longgang Shenzhen 518129 People's Republic of China

Website:www.huawei.com