

Huawei OptiXstar P603E Datasheet 03

Enterprise-Level Routing Gateway ONU

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Product Overview

The Huawei OptiXstar P603E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 8 GE ports. These ports provide high-quality voice, data, and HD video services.



Product Highlights

- Chip-level secure boot ensures system software integrity and security.
- 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.
- Supports secure boot.
- Features high reliability, type B dual-homing service protection.

Technical Specifications

Dimensions (WxDxH)	220mm x 150mm x 35mm(Without floor mat)	UNI	8*GE
Weight	About 1030 g	Static power consumption	3.24 W
Operating temperature	-40°C to +55°C	Maximum power consumption	5.64 W
Operating humidity	5%RH to 95%RH (non-condensing)	NNI	GPON

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	12V DC,1A	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)	- 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/TR 069	- 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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