

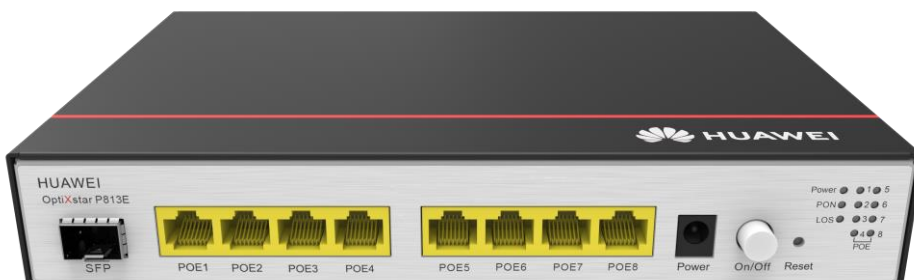
OptiXstar P813E Datasheet

Enterprise-Level Routing Gateway ONU

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Product Overview

The OptiXstar P813E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 8 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.
- Supports XGS-PON uplink access.
- 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(PoE/PoE+)
Weight	About 1030 g	Static power consumption	8 W
Operating temperature	-5°C to +45°C	Maximum power consumption	12 W (POE port without PD) 143 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 120W (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,2.6A	Installation mode	Support indoor desktop installation, wall mounting, or network box installation.
NNI	XGS-PON	-	-

Port Parameters

SPF	GE
<ul style="list-style-type: none"> • XGS-PON optical module, port type: SC/UPC • XGS-PON; <ul style="list-style-type: none"> - Class N1/N2; - Receiver sensitivity:-28dBm; - Overload optical power: -9dBm; - Transmission rate: upstream 9.953 Gbit/s, downstream 9.953 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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