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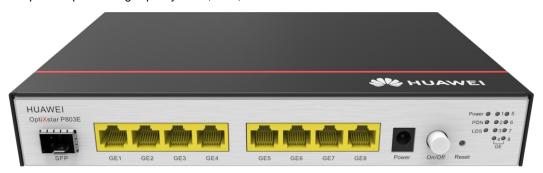


Huawei OptiXstar P803E Datasheet 02

Enterprise-Level Routing Gateway ONU

Product Overview

The Huawei OptiXstar P803E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 8 GE ports 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.
- 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 W |
| Operating temperature | -40°C to +55°C | Maximum power consumption | 6.96 W |
| Operating humidity | 5%RH to 95%RH (non- condensing) | NNI | XGS-PON |

| 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

| SPF | GE | |
|---|--|--|
| XGS-PON optical module, port type: SC/UPC | Port type:RJ-45 | |
| • XGS-PON | Auto ports speed(10/100/1000 Mbit/s) | |
| - Class N1/N2 | Auto-MDI/MDIX | |
| - Receiver sensitivity:-28dBm | Configuration of the number of MAC addresses | |
| Overload optical power: -9dBm | learned | |
| Transmission rate: upstream 9.953 Gbit/s, downstream 9.953 Gbit/s | VLAN transparent transmission/VLAN filtering | |
| Type B single-homing | | |
| Type B dual-homing (supported in Layer 2 forwarding) | | |

Function List

| Automatic Service Provisioning | Smart O&M | Layer 3 Features | Security |
|---|---|--|---|
| Authentication exemption XML/OMCI/TR0 69 | 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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