Huawei OptiXstar P805E-L1 Datasheet

Date: 2023-08-30

Product Overview

Huwei OptiXstar P805E-L1 is a rack-mounted ONU. It provides 2 XGS-PON upstream ports on the network side and 24 GE ports on the user side. It is suitable for carrying data and video services in high-density campus scenarios and brings high-quality service experience to users.

Product Highlights

- Features high reliability, two XGS-PON upstream ports, supporting type C networking protection.
- PON upstream load sharing, supporting 20 Gbit/s upstream transmission.
- 24 GE ports, supporting high-density access.
- Supports wide temperature range with strong environment adaptability.
- 802.1x authentication ensure device access security.
- Centralized management on eSight.

Technical Specifications

NNI	2*XGS-PON(1*BOB+1*SFP)	**UNI**	24*GE
Operating temperature	-25°C to +55°C	**Installation mode**	Support 19-inch cabinet, rack, or network box installation
Operating humidity	5%RH to 95%RH (non-condensing)	**Surge protection specifications**	GE: common mode 6 kV; differential mode 0.5 kV. AC power: common mode 6 kV; differential mode 6 kV.
Heat dissipation mode	Natural heat dissipation	**Rated operating voltage range**	100–240 V AC, 50 Hz/60 Hz, 2A
Static power	22 W	**Maximum power**	38 W

consumption		consumption	
Dimensions (WxDxH)	442mm×220mm×43.6mm (Without Mounting Brackets) 482mm×220mm×43.6mm (With Mounting Brackets)	**Weight**	About 3.1 kg

Port Parameters

XGS-GPON	GE
• XGS-PON optical module, port type: SC/UPC • Complies with the G.9807.1 protocol. • Class N1/N2 • Receiver sensitivity: -28dBm • Overload optical power: -9dBm • Transmission rate: upstream 9.953 Gbit/s, downstream 9.953 Gbit/s	• Port type: RJ-45 • Auto ports speed(10/100/1000 Mbit/s) • Half-duplex/full-duplex mode negotiation and configuration • Auto-MDI/MDIX • Configuration of the number of MAC addresses learned • VLAN filtering

Function List

Automatic Service Provisioning	Smart O&M	Networking Protection	Security
• Authentication exemption • XML/OMCI	• XML/Web UI • Rogue ONT detection and self-regulation • Ring network detection • PPPoE/DHCP simulation testing	• Type B single-homing protection • Type B dual-homing protection • Type C single-homing protection • Type C dual-homing protection • PON upstream load sharing	• 802.1x authentication, MAC address authentication, and MAB authentication • DoS/ARP anti-attacks • Static MAC address binding • Device access control • Web session number restriction
Multicast	**QoS**	**Layer 2 Management**	
• IGMP v2/v3 snooping • IGMP proxy • MLDv1/MLDv2 snooping • Dynamic controllable multicast • Uncontrollable multicast	• Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR	• DHCP Option82 • PITP • BPDU transparent transmission • LLDP/LLDP-MED • IPv6 (Layer 2 transparent transmission)	

Huawei Technologies Co., Ltd.

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

Website:www.huawei.com