P805E Product Datasheet

OptiXstar P805E High-density Access Product for Campuses
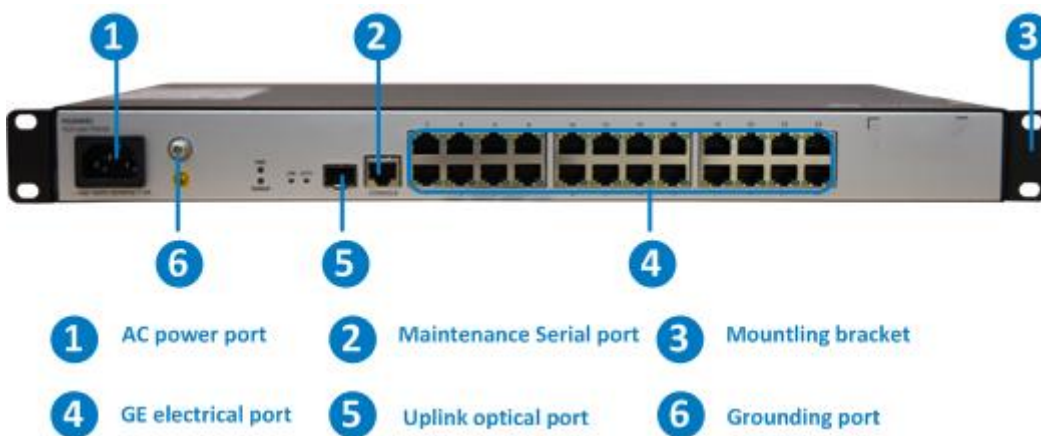
Product Overview

The OptiXstar P805E (P805E for short) is a high-density access product for campuses launched by Huawei Technologies Co, Ltd. The P805E provides data, and multicast services for community users.

Product Highlights

- High-bandwidth: XG-PON/XGS-PON/GPON uplink
- High port density: 24*GE
- Rich services: broadband/multicast/IPv6
- Comprehensive management and maintenance: Supports one-stop deployment and plug-and-play.

Appearance and Interface

Ports of the P805E

| 1 | AC power port | 2 | Maintenance Serial port | 3 | Mountling bracket |
| 4 | GE electrical port | 5 | Uplink optical port | 6 | Grounding port |

Physical ports provided by the P805E

Port Type	Silk Screen	Description
AC power port	-	Connects to 110 V AC/220 V AC power.
Upstream optical port	-	Provides XG-PON/XGS-PON/GPON upstream transmission using an SFP uplink optical port.
GE electrical port	-	Provides Ethernet adaptive access rates of 10 Mbit/s, 100 Mbit/s and 1000 Mbit/s.
Maintenance Serial port	CONSOLE	Provides local and remote maintenance. Supports system configuration using tools, such as HyperTerminal, through command line interface (CLI).
Grounding port	-	Connects the device to the ground.

Product Specifications

Dimensions (width x depth x height)	442 mm x 220 mm x 43.6 mm (without the mounting brackets)

	482.6 mm x 220 mm x 43.6 mm (with the mounting brackets)
Weight	3.22 kg
NNI	XG-PON/XGS-PON/GPON
UNI	24*GE
Ambient temperature	-40°C to 55°C
Ambient humidity	5% to 95%
Power Supply	100–240 V AC, 50 Hz/60 Hz
Maximum Input Current	1 A
Power consumption	Static power consumption: 14 W Maximum power consumption: 23 W
Protection Level	IP20
Surge Protection Level	AC power 6 kV, GE 4 kV

📖 **NOTE**

- In the case of the static power consumption, all ports are not activated.
- In the case of the maximum power consumption, all the broadband ports are activated.

Primary Function List

Upstream mode
- XG-PON
- XGS-PON
- GPON

Networking Protection
- Type B Single-Homing Protection
- Type B Dual-Homing Protection

Layer 2 management
- MAC address management
- Virtual local area network (VLAN) management
- Flow Bundle
- VLAN+MAC forwarding
- Transparent transmission of protocol packets

Multicast
- IGMP v2/v3
- IGMP Proxy
- IGMP Snooping
- MLD Proxy
- MLD Snooping
- Multicast CAC

QoS
- Priority processing
- Traffic management
- Traffic Policing
- Congestion management
- Access control list (ACL) policies

Management protocol
- SNMP V1
- SNMP V2C
- SNMP V3

Fault diagnosis
- Point-to-Point Protocol over Ethernet (PPPoE) dialup service emulation
- Dynamic Host Configuration Protocol (DHCP) dialup service emulation
- Multicast emulation

User security
- PITP
- DHCP Option82
- 802.1x authentication
- RAIO
- Anti-MAC address transfer
- Anti-MAC address spoofing
- Anti-IP address spoofing

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