

P805E Product Datasheet

OptiXstar P805E High-density Access Product for Campuses



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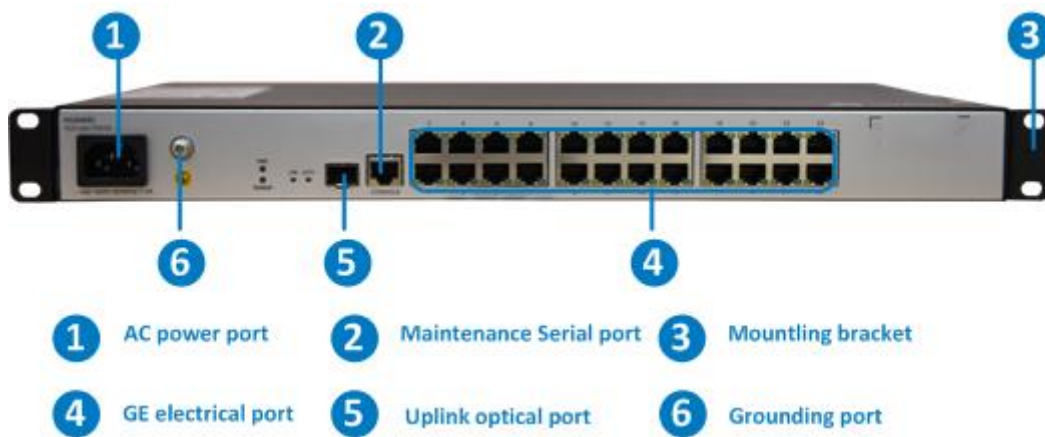
Product Overview

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 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



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)
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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

<p>Upstream mode</p> <ul style="list-style-type: none"> • XG-PON • XGS-PON • GPON <p>Networking Protection</p> <ul style="list-style-type: none"> • Type B Single-Homing Protection • Type B Dual-Homing Protection <p>Layer 2 management</p> <ul style="list-style-type: none"> • MAC address management • Virtual local area network (VLAN) management • Flow Bundle • VLAN+MAC forwarding • Transparent transmission of protocol packets 	<p>Multicast</p> <ul style="list-style-type: none"> • IGMP v2/v3 • IGMP Proxy • IGMP Snooping • MLD Proxy • MLD Snooping • Multicast CAC 	<p>QoS</p> <ul style="list-style-type: none"> • Priority processing • Traffic management • Traffic Policing • Congestion management • Access control list (ACL) policies <p>Management protocol</p> <ul style="list-style-type: none"> • SNMP V1 • SNMP V2C • SNMP V3 	<p>Fault diagnosis</p> <ul style="list-style-type: none"> • Point-to-Point Protocol over Ethernet (PPPoE) dialup service emulation • Dynamic Host Configuration Protocol (DHCP) dialup service emulation • Multicast emulation <p>User security</p> <ul style="list-style-type: none"> • PITP • DHCP Option82 • 802.1x authentication • RAIO • Anti-MAC address transfer • Anti-MAC address spoofing • Anti-IP address spoofing
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