

# P805E Product Datasheet

OptiXstar P805E High-density Access Product for Campuses



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# Product Overview

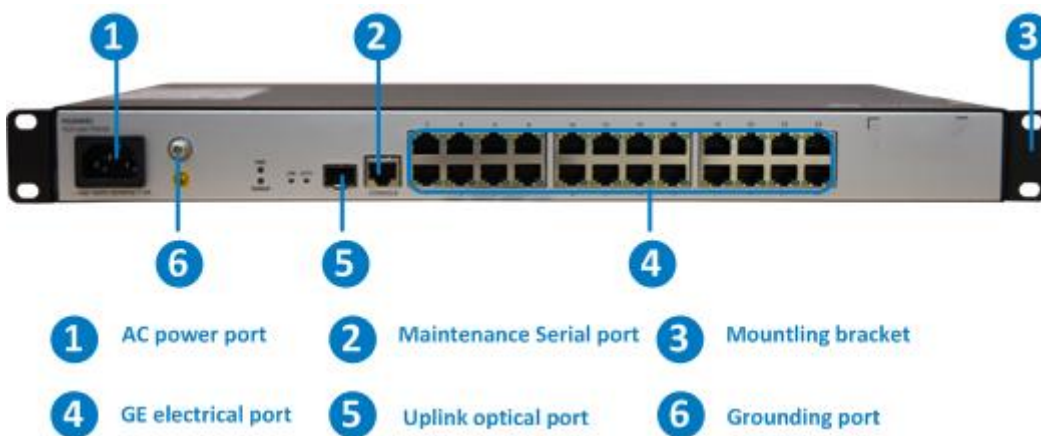
The OptiXstar P805E (P805E for short) is a high-density access product for campuses launched by Huawei Technologies Co, Ltd. The P805E provides data, and multicast services for community users.

## Product Highlights

- High-bandwidth: XG-PON/XGS-PON/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



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)
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	482.6 mm x 220 mm x 43.6 mm (with the mounting brackets)
<b>Weight</b>	3.22 kg
<b>NNI</b>	XG-PON/XGS-PON/GPON
<b>UNI</b>	24*GE
<b>Ambient temperature</b>	-40°C to 55°C
<b>Ambient humidity</b>	5% to 95%
<b>Power Supply</b>	100–240 V AC, 50 Hz/60 Hz
<b>Maximum Input Current</b>	1 A
<b>Power consumption</b>	Static power consumption: 14 W Maximum power consumption: 23 W
<b>Protection Level</b>	IP20
<b>Surge Protection Level</b>	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><b>Upstream mode</b></p> <ul style="list-style-type: none"> <li>• XG-PON</li> <li>• XGS-PON</li> <li>• GPON</li> </ul> <p><b>Networking Protection</b></p> <ul style="list-style-type: none"> <li>• Type B Single-Homing Protection</li> <li>• Type B Dual-Homing Protection</li> </ul> <p><b>Layer 2 management</b></p> <ul style="list-style-type: none"> <li>• MAC address management</li> <li>• Virtual local area network (VLAN) management</li> <li>• Flow Bundle</li> <li>• VLAN+MAC forwarding</li> <li>• Transparent transmission of protocol packets</li> </ul>	<p><b>Multicast</b></p> <ul style="list-style-type: none"> <li>• IGMP v2/v3</li> <li>• IGMP Proxy</li> <li>• IGMP Snooping</li> <li>• MLD Proxy</li> <li>• MLD Snooping</li> <li>• Multicast CAC</li> </ul>	<p><b>QoS</b></p> <ul style="list-style-type: none"> <li>• Priority processing</li> <li>• Traffic management</li> <li>• Traffic Policing</li> <li>• Congestion management</li> <li>• Access control list (ACL) policies</li> </ul> <p><b>Management protocol</b></p> <ul style="list-style-type: none"> <li>• SNMP V1</li> <li>• SNMP V2C</li> <li>• SNMP V3</li> </ul>	<p><b>Fault diagnosis</b></p> <ul style="list-style-type: none"> <li>• Point-to-Point Protocol over Ethernet (PPPoE) dialup service emulation</li> <li>• Dynamic Host Configuration Protocol (DHCP) dialup service emulation</li> <li>• Multicast emulation</li> </ul> <p><b>User security</b></p> <ul style="list-style-type: none"> <li>• PITP</li> <li>• DHCP Option82</li> <li>• 802.1x authentication</li> <li>• RAIO</li> <li>• Anti-MAC address transfer</li> <li>• Anti-MAC address spoofing</li> <li>• Anti-IP address spoofing</li> </ul>
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