

## Overview

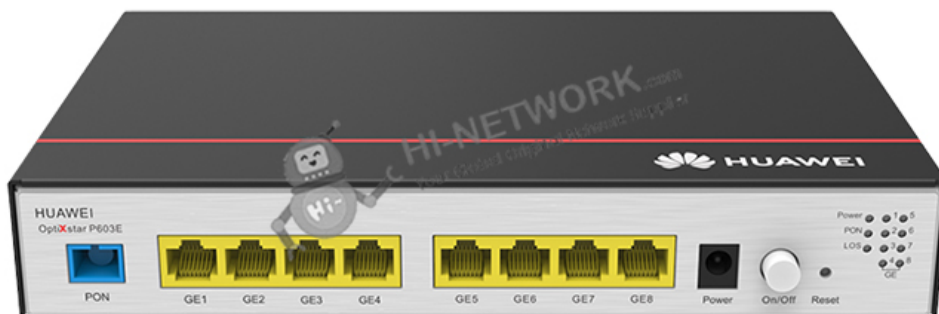
The Huawei OptiXstar P603E is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 8 GE ports. These ports provide high-quality voice, data, and HD video services.

## Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar P603E
Dimensions (W x D x H)	220 x 150 x 35 mm (without base)
Weight	Approximately 1030 g
Operating Temperature	-40~55°C
Operating Humidity	5~95% RH (noncondensing)
Power Adapter Input	100~240 V AC, 50/60 Hz
NNI	1 x GPON
UNI	8 x GE
Maximum Power Consumption	5.64 W
Surge Protection Specifications	GE: common mode 4 kV; differential mode 0.5 kV. AC power: common mode 6 kV; differential mode 6 kV.

Figure 1 shows the appearance of OptiXstar P603E.



## Product Highlights

- Chip-level secure boot ensures system software integrity and security.



- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- 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.

## Product Details

### Port Parameters

PON	<ul style="list-style-type: none"> <li>• Port type: SC/UPC</li> <li>• Complying with ITU-T G.984.2, Class B+</li> <li>• Receiver sensitivity: -27dBm;</li> <li>• Overload optical power: -8dBm;</li> <li>• Transmission rate: upstream 1.244 Gbit/s, downstream 2.488 Gbit/s</li> <li>• Type B single-homing</li> <li>• Type B dual-homing (supported in Layer 2 forwarding)</li> </ul>
GE	<ul style="list-style-type: none"> <li>• Port type: RJ-45</li> <li>• Auto ports speed (10/100/1000 Mbit/s)</li> <li>• Auto-MDI/MDIX</li> <li>• Configuration of the number of MAC addresses learned</li> <li>• VLAN transparent transmission/VLAN filtering</li> </ul>

### Function List

Automatic Service Provisioning	<ul style="list-style-type: none"> <li>• Authentication exemption</li> <li>• XML/OMCI/TR069</li> </ul>
Smart O&M	<ul style="list-style-type: none"> <li>• XML/Web UI</li> <li>• Rogue ONT detection and self-regulation</li> <li>• Ring network detection/PPPoE/DHCP simulation testing</li> </ul>
Layer 3 Features	<ul style="list-style-type: none"> <li>• Default/Static/Policy/Service routes</li> <li>• VLAN binding</li> <li>• ALG/UPnP/ARP</li> <li>• DDNS/DMZ/DNS/NAPT</li> <li>• PPPoE/Static IP/DHCP</li> <li>• Port mapping/Port trigger</li> <li>• IPv6</li> </ul>
Layer 2 Management	<ul style="list-style-type: none"> <li>• DHCP Option82</li> <li>• PITP</li> <li>• BPDU transparent transmission</li> <li>• LLDP/LLDP-MED</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> </ul>





	<ul style="list-style-type: none"> <li>• Dynamic controllable multicast</li> <li>• IGMP proxy</li> <li>• MLDv1/MLDv2 snooping</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Ethernet port rate limitation</li> <li>• 802.1p priority</li> <li>• SP/WRR/SP+WRR</li> </ul>
Security	<ul style="list-style-type: none"> <li>• 802.1x</li> <li>• IPv6/IPv4 firewalls</li> <li>• Filtering based on MAC/IP/URL</li> <li>• DoS/ARP anti-attacks</li> <li>• Static MAC address binding</li> <li>• Device access control</li> <li>• Web session number restriction</li> </ul>

## Compare to Similar Items

Table 2 shows the comparison.

Model	<a href="#">OptixStar P602E</a>	OptixStar P603E	<a href="#">OptixStar P612E</a>	<a href="#">OptixStar P613E</a>	<a href="#">OptixStar P622E</a>
NNI	GPON	GPON	GPON	GPON	Dual GPON
UNI	4*GE	8*GE	4*GE (PoE/PoE+)	8*GE, the POE1-POE4 ports support PoE/PoE+	4*GE

## Get More Information

Do you have any question about the OptiXstar P603E?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

OptiXstar P603E Specification	
Dimensions (W x D x H)	220 x 150 x 35 mm (without base)
Weight	Approximately 1030 g
Operating Temperature	-40~55°C
Operating Humidity	5~95% RH (noncondensing)
Power Adapter Input	100~240 V AC, 50/60 Hz
NNI	1 x GPON



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UNI	8 x GE
Maximum Power Consumption	5.64 W
Surge Protection Specifications	GE: common mode 4 kV; differential mode 0.5 kV. AC power: common mode 6 kV; differential mode 6 kV.
PON	<ul style="list-style-type: none"> <li>• Port type: SC/UPC</li> <li>• Complying with ITU-T G.984.2, Class B+</li> <li>• Receiver sensitivity: -27dBm;</li> <li>• Overload optical power: -8dBm;</li> <li>• Transmission rate: upstream 1.244 Gbit/s, downstream 2.488 Gbit/s</li> <li>• Type B single-homing</li> <li>• Type B dual-homing (supported in Layer 2 forwarding)</li> </ul>
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Installation Mode	Support indoor desktop, wall mounting, or network box installation.

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