Overview

A panel-type Optical Network Unit (ONU) that can be easily installed in 86-type electrical boxes on enterprise campuses, Huawei OptiXstar P871E is equipped with one Gigabit Passive Optical Network (GPON) or 10-Gigabit-Capable Symmetric Passive Optical Network (XGS-PON) port in the upstream direction, and two GE ports on the user side.

OptiXstar P871E series features multiple models: P871E with XGS-PON AC power, P871E-G with GPON AC power, and P871E-H with XGS-PON Advanced Fiber with Power (AFwP), which uses fibers for high-bandwidth connections and copper wires for power supply to remote optical devices.

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar P871E
Dimensions (H x W x D)	Panel: 86 x 86 x 9.5 mm Internal module depth: 35 mm
Weight	Approximately 168 g
Operating Temperature	–5°C to +40°C
Operating Humidity	5–95% RH (non-condensing)
AC Input	100–240 V AC, 50/60 Hz
Water Proof Rating	IP20
Surge Protection	GE: common mode 2.5 kV; differential mode 2.5 kV AC power supply: common mode 6 kV; differential mode 4 kV DC power supply: common mode 4 kV; differential mode 2 kV
Maximum Power Consumption	7.2 W
NNI	XGS-PON
UNI	2 x GE

Figure 1 shows the appearance of OptiXstar P871E.

Product Details

Interface Parameters

XGS-PON Port	● Port type: SC/UPC ● Complying with ITU-T G.987.1, Class N1/N2 ● Receiver sensitivity: –9 dBm to –28 dBm ● Overload optical power: –9 dBm ● Transmission rate: upstream 9.953 Gbit/s, downstream 9.953 Gbit/s ● Type B single-homing ● Type B dual-homing (supported in Layer 2 forwarding)
Ethernet Electrical Port	● Port type: RJ-45 ● Auto port speed (10/100/1000 Mbit/s) ● Auto-MDI/MDIX ● Configuration of the number of MAC addresses learned ● VLAN transparent transmission/VLAN filtering

Features

Versatile Design	● Easy installation in 86-type electrical boxes, with XGS-PON AC power, GPON AC power, and XGS-PON AFwP options
High Reliability	● Type B dual-homing service protection, plus 802.1x and IPv6/IPv4 firewalls, ensuring device access and network security
Smart O&M	● Variable-length OMCI messages ● Rogue ONU detection and self-regulation ● Ring network detection ● PPPoE/DHCP simulation testing

Get More Information

Do you have any question about the OptiXstar P871E?

Contact us now via info@hi-network.com.

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Maximum Power Consumption	7.2 W
NNI	XGS-PON
UNI	2 x GE
Installation Mode	Indoor 86-box installation
Compliance Certification	CE/CCC
XGS-PON Port	● Port type: SC/UPC ● Complying with ITU-T G.987.1, Class N1/N2 ● Receiver sensitivity: –9 dBm to –28 dBm ● Overload optical power: –9 dBm ● Transmission rate: upstream 9.953 Gbit/s, downstream 9.953 Gbit/s ● Type B single-homing ● Type B dual-homing (supported in Layer 2 forwarding)
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