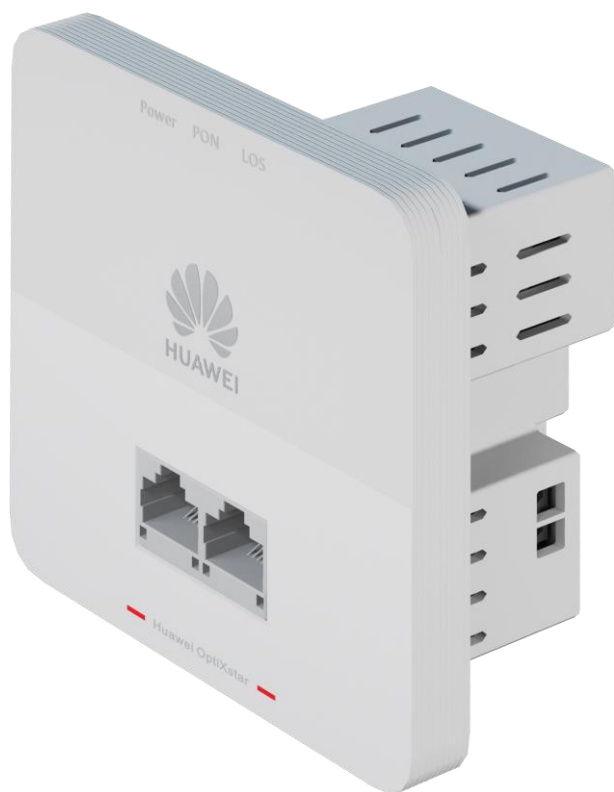


F100P-2G Datasheet

Product Overview

Huawei OptiXstar F100P-2G is a panel ONU for enterprise campuses. They can be quickly installed on the 86-type electric box. Provides one GPON port in the upstream direction and two GE Ethernet ports on the user side. The high-performance forwarding capability effectively ensures data and HD video service experience, providing an ideal solution for enterprise campus deployment and future-oriented service support.

- Compact design, plug-and-play, flexible and easy to install
- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- High reliability, supporting type B dual-homing service protection



NOTE

The schematic diagrams in this document may differ from the actual product.

Technical Specifications

Dimensions (H x W x D)	Panel: 86 mm x 86 mm x 9.5 mm Internal module depth: 35 mm	Weight	168 g
Power supply of the entire system	100–240 V AC, 50/60 Hz	Interface	- Network side: 1*GPON - User side: 2*GE
Static power consumption	7.2 W	Maximum power consumption	7.2 W
Optical fiber interface	SC/UPC, GPON upstream transmission	Button	Reset button and indicator switch
Storage	128 MB FLASH, 512 MB DRAM	Installation mode	Indoor 86-box installation
Operating ambient temperature	-5°C - 40°C	Operating ambient humidity	5% RH to 95% RH, non-condensing
Protection rating	IP20	Surge Protection Specifications	- GE: 4 kV in common mode and 0.5 kV in differential mode - AC power supply: 6 kV in common mode and 4 kV in differential mode

Port Parameters

PON port	GE port
- Interface type: SC/UPC - Downstream: 2.488 Gbit/s; Upstream: 1.244 Gbit/s - Receiver sensitivity: -27 dBm - Overload optical power: -8 dBm NOTICE If the optical power is greater than the overload optical power, the device may be damaged. In this case, connect an optical attenuator.	- Interface type: RJ-45 10/100/1000 Mbit/s interface rate auto-sensing - MDI/MDIX automatic configuration - Configuring the Number of Learned MAC Addresses - Ethernet port-based VLAN transparent transmission and filtering

Function List

Automatic Service Provisioning	Smart O&M	Multicast
- Authentication exemption - XML/OMCI/TR069	- Variable-length OMCI messages - Rogue ONT detection and self-regulation - Ring network detection/PPPoE/DHCP simulation testing	- IGMP v2/v3 snooping - MLDv1/MLDv2 snooping - Quickly leave - Downstream multicast VLAN translation/transparent transmission/stripping - IGMP/MLD packet rate limitation
QoS	Common O&M	Security

- Ethernet port rate limitation 802.1p priority - SP/WRR/SP+WRR - Broadcast packet rate limitation - Flow mapping based on VLAN, 802.1p, Ethernet port, or any combination of VLAN, 802.1p, and Ethernet port	- OMCI/Web UI - Software dual backup and rollback - Optical link measurement and diagnosis - Loop detection	MAC filtering
		Power saving - Indicator power saving - Power consumption reduction of idle components in power-saving state

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