

P892M-01 Datasheet

Product Overview

The Huawei OptiXstar P892M-01 is an M45 panel ONU designed for scenarios such as enterprise campus. It provides 4 GE ports and 1 XGE port, that there are 4 GE ports support PoE/PoE+, 1 XGE Port support POE++. These ports provide high-quality voice, data, and HD video services.

- 802.1x and IPv6/IPv4 firewalls ensure device access security and network security.
- The PoE/PoE+/PoE++ function supports flexible power supply.
- Features high reliability, type B dual-homing service protection.



Hardware Specifications

Specification	Parameters
Dimensions (W x D x H)	90mm x 65mm x 45mm
NNI	XGS-PON
UNI	4 × GE, support PoE/PoE+ 1 × XGE, support PoE++
Rated power supply	54V DC, 2.5A NOTE Voltage input range supported by the device: 50V DC ~ 57V DC
PoE output power	Maximum total power: 120 W, voltage: 50V DC ~ 57V DC

Specification	Parameters
Static power consumption	6.5 W
Maximum power consumption	11 W (PoE port without PD) 133 W (PoE port with PD having the maximum power consumption)
Operating temperature	0°C to +40°C
Operating humidity	5%–95% RH, non-condensing
Weight (excluding adapter)	About 0.5 kg
Surge protection	<ul style="list-style-type: none"> AC power port: 4 kV in common mode and 2 kV in differential mode GE: 4 kV in common mode

Port Parameters

Name	Parameter
PON port	<ul style="list-style-type: none"> Port mode: XGS-PON <ul style="list-style-type: none"> Port type: SC/UPC Standards compliance: ITU-T G.9807.1, Class N1/N2 Receiver sensitivity: –28 dBm Overload optical power: –9 dBm Transmission rate: 9.953 Gbit/s downstream and 9.953 Gbit/s upstream
GE port	<ul style="list-style-type: none"> RJ-45 port Standards compliance: IEEE802.3 10/100/1000 Mbit/s auto-sensing Half duplex/full duplex auto-negotiation and configuration VLAN tag/tag removal, VLAN transparent transmission, and VLAN filtering based on Ethernet ports
XGE port	<ul style="list-style-type: none"> RJ-45 port Standards compliance: IEEE802.3 1/2.5/5/10 Gbit/s auto-sensing Half duplex/full duplex auto-negotiation and configuration VLAN tag/tag removal, VLAN transparent transmission, and VLAN filtering based on Ethernet ports

Product Functions

Feature	Description
Automatic service provisioning	<ul style="list-style-type: none"> Authentication exemption XML/OMCI
Smart O&M	<ul style="list-style-type: none"> XML/Web UI Rogue ONT detection and self-regulation Ring network detection PPPoE/DHCP simulation

Feature	Description
Security	<ul style="list-style-type: none"> • MAC address authentication, 802.1X authentication, MAB authentication, and dynamic delivery of user policies (VLANs and ACLs) • MAC address filtering • Anti-DoS/anti-ARP attack • Static MAC address binding • Device access control • ONU Port-Level Hard-Isolated. Different ports of an ONU can be securely connected to multiple networks through the hard-isolated technology
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • Dynamic controllable multicast • IGMP proxy • MLDv1/MLDv2 snooping
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR
Layer 2 management	<ul style="list-style-type: none"> • DHCP Option82 • PTP • BPDU transparent transmission • LLDP • QinQ VLAN
Networking protection	<ul style="list-style-type: none"> • Type B single-homing protection • Type B dual-homing protection

Power Adapter Specifications


Specification	Power Adapter
Appearance	
Dimensions	150mm(L)×44mm(W)×30mm(H)
Power supply specifications	Input voltage: 120–240 V AC, 50 Hz/60 Hz Output voltage/current: 54 V DC/2.5 A

Specification	Power Adapter
	Output power: 135W
Operating temperature	–10°C to +45°C
Power plug type	Output connector type: 2-pin. screw clamp Input connector type: C8 socket, Britain AC Power Cable

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