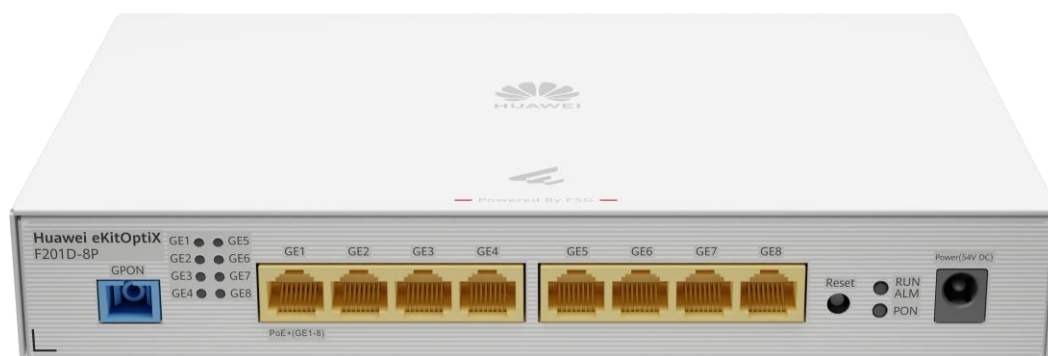


F201D-8P Datasheet

Date: 2025-02-10

Product Overview

The eKitOptiX F201D-8P is an ONU designed for scenarios such as enterprise campus and video backhaul. It provides 8 GE ports that support PoE/PoE+. These ports provide high-quality voice, data, and HD video services.



Technical Specifications

Dimensions (WxDxH)	220mm x 150mm x 35mm	UNI	8*GE, support PoE/PoE+.
Weight	About 0.93 kg	NNI	GPON
Operating temperature	-5°C to +45°C	Static power consumption	3.8 W
Operating humidity	5%RH to 95%RH (non-condensing)	Maximum power consumption	7 W (POE port without PD) 128 W (POE port with PD having the maximum power consumption)
Power supply by power adapter	54 V DC, 2.78 A	Maximum PoE output power	Gross power 120W (up to 30W for one GE port)
Installation mode	Only indoor application is supported. Can be placed horizontally on a desk, installed under a desk, mounted on a wall, or installed in a cabinet or network box.	Surge protection specifications	GE: common mode 4 kV AC power: - common mode 4 kV - differential mode 4 kV

	NOTE The mounting ears required for device installation are not provided with the device. Purchase them by yourself.		
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Port Parameters

Name	Parameter
GPON port	- Port type: SC/UPC - Standards compliance: ITU-T G.984.2, Class B+ - Receiver sensitivity: -27 dBm - Overload optical power: -8 dBm - Transmission rate: 2.488 Gbit/s downstream and 1.244 Gbit/s upstream
GE port	- 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 - Support PoE and PoE+

Function List

MiniFTTO networking scenario

Smart connectivity	O&M
- Upstream mode: fiber upstream transmission - Working mode: bridging	- Web UI - One-click diagnosis of Internet connection status and hardware status

FTTO networking scenario

Automatic Service Provisioning	Smart O&M	Networking protection	Security
- Authentication exemption - XML/OMCI/TR069	- XML/Web UI - Rogue ONT detection and self-regulation - Ring network detection - PPPoE/DHCP simulation testing	- Type B single-homing protection - Type B dual-homing protection	- MAC authentication, 802.1x authentication, MAB authentication, and dynamic delivery of user policies (VLAN and ACL) - DoS/ARP anti-attacks - Static MAC address binding and IP address binding - Device access control - Anti-Private DHCP Server
Multicast	QoS	Layer 2 Management	
- IGMP v2/v3 snooping - IGMP proxy - MLDv1/MLDv2	- Ethernet port rate limitation 802.1p priority	- DHCP Option82 - PITP - BPDu transparent	

snooping - Dynamic controllable multicast - Uncontrollable multicast	SP/WRR/SP+WRR	transmission - LLDP/LLDP-MED - IPv6 (Layer 2 transparent transmission)	
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Specifications of Power Adapter

Specification Name	Power Adapter
Appearance	
Dimensions	180 mm (L) x 80 mm (W) x 42 mm (H)
Power parameters	Rated input voltage: 100–240 V AC, 50 Hz or 60 Hz Rated output voltage/current: 56 V DC/2.68 A
Connector type	Input connector type: C8 output connector type: $\phi 3.0 \times \phi 6.5 \times 12.5$ (+/-0.3) mm, "H" PLUG DC semi-insulated connector
Power	150 W
Weight	0.75 kg
Operating temperature	–5°C to +45°C
Output cable	Cable gauge: 18 AWG Cable length: 1.5 m

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