

F500D-12-4G1V Datasheet

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Overview

The Huawei eKitOptiX F500D-12-4G1V is an optical access point (AP) in the Huawei all-optical access solution. It uses GPON technologies to provide users with ultra-broadband access, high performance, and wide coverage. Its high-performance in data forwarding effectively ensures voice, data, and 4K/VR video service experience, providing customers with an ideal all-optical access solution and future-proof service support. The product provides 4 gigabit Ethernet ports, 1 POTS port, and 1 USB port, and supports 2.4 GHz & 5 GHz Wi-Fi.



NOTE

- The figure in this document may differ from the actual products. The actual product prevails.

Hardware Specifications

Parameter	Description
Dimensions (W x D x H)	160mm x 185mm x 36mm
NNI	GPON
UNI	4 x GE + 1 x POTS + 2.4GHz/5GHz Wi-Fi 5 + 1 x USB*

Parameter	Description
	NOTE *: A plug-and-play USB port reserved for users.
Rated power supply	Power Adapter: 12V DC, 1.5A
Rated input range of power adapter	100–240 V AC, 50/60 Hz
Static power consumption	5W
Maximum power consumption	17W
Antenna Type	Built-in antenna
Operating Temperature	0°C to 40°C
Operating Humidity	5%–95% RH, non-condensing
Weight (excluding adapter)	About 330 g
Protection Level	IP20
Surge Protection	GE: 4 kV in common mode and 0.5 kV in differential mode
Heat dissipation mode	Natural cooling
Installation Mode	Wall mounting
Indicators	WPS/WLAN/USB/TEL/LAN/LOS/PON/Power

Port Parameters

Interface	Description
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
POTS port	- Maximum of ringer equivalence number (REN): 4 - G.711A/u, G.729a/b, and G.722 codec - T.30 and T.38 fax - DTMF - Emergency call (SIP)
USB port	- USB 2.0 - SFTP-based network storage - SAMBA-based file sharing and print sharing - DLNA (media server)
2.4GHz/5GHz Wi-Fi 5	- IEEE 802.11 b/g/n (2.4 GHz) - IEEE 802.11 a/n/ac (5 GHz) 2 x 2 MIMO (2.4 GHz & 5 GHz) - Antenna gain: 2 dBi - Wi-Fi Multimedia (WMM), multi-SSID, WPS 2.4/5 GHz dual-band

Interface	Description
	- Air interface rate: 300 Mbit/s (2.4 GHz) 867 Mbit/s (5 GHz) - Maximum number of access users: 64
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 tagging/tag removal based on Ethernet port

Product Features

MiniFTTO networking scenario

Feature	Description
Enterprise network	Working with an optical gateway to realize all-optical Wi-Fi coverage for enterprises - Immune to electromagnetic interference and low latency - Automatic networking and plug-and-play - Automatic Wi-Fi configuration synchronization - Automatic Wi-Fi channel selection under the optical gateway - Wi-Fi roaming (802.11k/802.11v) under the optical gateway, with a handover latency of 50 ms NOTE User terminals must support 802.11k/802.11v.
Smart interconnectivity	- Upstream mode: fiber upstream transmission - Working mode: bridging
O&M	- WebUI - Software dual-backup and rollback

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