F600D-30-4G1V Datasheet

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Product Overview

The Huawei F600D-30-4G1V is an intelligent GPON and Wi-Fi 6 ONU. It uses the GPON Wi-Fi 6 technology to implement ultra-broadband access, high performance and wide coverage for users. The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

It provides 4 GE ports, 1 POTS port, 1 USB port and 2.4G&5G Wi-Fi.

Technical Specifications

Item	Specifications
Network-side port	GPON
User-side port	4*GE+1*POTS+2.4G/5G Wi-Fi 6+1USB
System power supply	12V DC, 1.5A

Item	Specifications
Rated input range of power adapter	100–240 V AC, 50/60 Hz
Static power consumption	6 W
Maximum power consumption	18 W
Memory	128M Flash, 256M RAM
Indicator	Power/PON/LOS/LAN/TEL/USB/WLAN/WPS
Operating temperature	0℃ to 40℃
Operating humidity	5%–95% RH, non-condensing
Fiber port type	SC/UPC
Dimensions (H x W x D)	35mm x 195mm x 125mm (without external antenna and pads)
Weight	About 372 g

Port Parameters

GPON port

- Class B+
- Receiver sensitivity: -27dBm
- Overload optical power: -8 dBm
- Wavelengths: US 1310 nm, DS 1490 nm
- Wavelength blocking filter (WBF)
- Flexible mapping between GEM Port and TCONT
- Authentication mode: SN, Password, LOID
- Bi-directional FEC
- SR-DBA and NSR-DBA

POTS port

- Maximum REN: 4
- G.711A/μ, G.729a/b and G.722 encoding/decoding
- T.30/T.38/G.711 fax mode
- DTMF
- Emergency calls (with the SIP protocol)

USB port

- USB2.0
- FTP-based network storage
- File/Print sharing based on SAMBA
- DLNA function

WLAN

- IEEE 802.11 b/g/n/ax (2.4G)
- IEEE 802.11 a/n/ac/ax (5G)
- 2 × 2 MIMO (2.4G)
- 2 × 2 MIMO (5G)
- Antenna gain: 5 dBi
- WMM/Multiple SSIDs/WPS
- 2.4G&5G concurrent
- Air interface rate: 574 Mbit/s (2.4G), 2402 Mbit/s (5G)
- Beamforming
- Band steering
- DL OFDMA
- DL MU-MIMO
- 1024QAM

Ethernet port

- Ethernet port-based VLAN tags and tag removal
- 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission
- QinQ VLAN
- Limit on the number of learned MAC addresses
- MAC address learning
- Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s

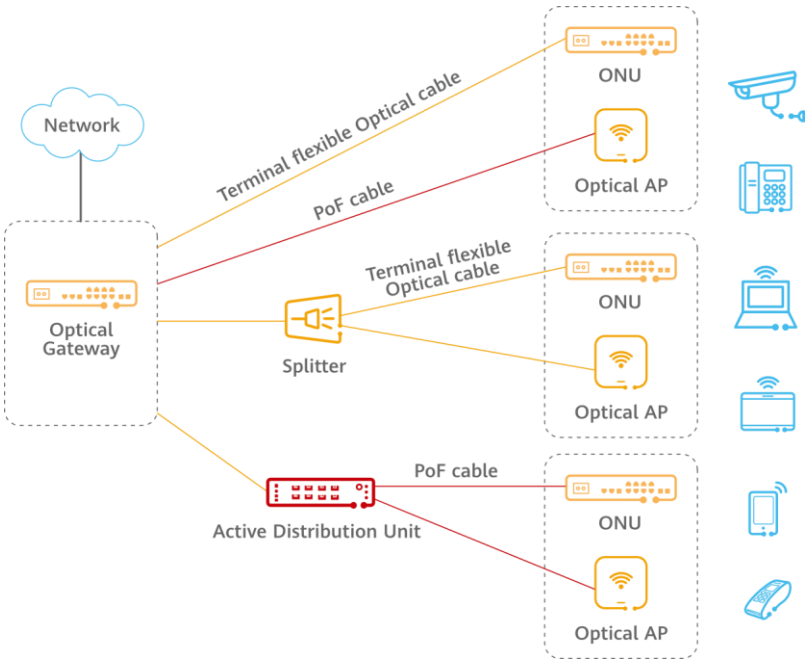
• 160MHz frequency bandwidth • WPA3 • Maximum number of concurrent access: 32	

Product Functions

Enterprise network • Works with the master gateway F1001-AC to implement all-optical Wi-Fi coverage for enterprises. – Immune to EMI and low latency – Automatic networking and plug-and-play – Automatic Wi-Fi configuration synchronization – Automatic Wi-Fi channel selection under the master gateway – Wi-Fi proactive roaming (802.11k/802.11v) under the master gateway*, with handover latency of 100 ms	**Smart connectivity** • Upstream mode: fiber upstream transmission • Working mode: bridging **O&M** • Web UI • Software dual-backup and rollback
*: User terminals must support 802.11k/802.11v.	

Typical Application

MiniFTTO networking scenario



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