

FG736 Datasheet 01

Date: 2025-06-06

Product Overview

The Huawei eKitOptiX FG736 is a dual-band edge ONT that supports ultra-gigabit access over both Wi-Fi 7 and Ethernet ultra-gigabit network ports.

- Next-generation Wi-Fi 7 MU-MIMO technology
- Strong anti-interference capability, wide coverage, and network self-healing
- One-click pairing and automatic networking
- Ethernet port auto-sensing for LAN or WAN mode
- Mesh network (tree type)



NOTE

The appearances shown in this document may differ from the actual appearances of the products. The actual products prevail.

Hardware Specifications

Specification	Parameters
Dimensions (H x W x D)	140mm × 188mm × 35mm (excluding the base)
NNI	2.5GE, GE or Wi-Fi (NNI/UNI multiplexing)
UNI	2.5GE uplink: 1 x 2.5GE + 2 x GE + 2.4GHz & 5GHz Wi-Fi 7 - GE uplink: 2 x 2.5GE + 1 x GE + 2.4GHz & 5GHz Wi-Fi 7 - Wi-Fi uplink: 2 x 2.5GE + 2 x GE + 2.4GHz & 5GHz Wi-Fi 7
Rated power supply	Powered through a power adapter. For details, see the product nameplate.
Static power consumption	5.5 W
Maximum power consumption	12 W
Antenna type	Built-in antenna
Operating temperature	0°C to 40°C
Operating humidity	5%–95% RH, non-condensing
Weight (excluding adapter)	About 325 g
Protection rating	IP20
Surge protection	- AC power supply (Power Adapter): 6 kV in common mode and 4 kV in differential mode - GE: 2.5 kV in common mode
Heat dissipation	Natural cooling
Installation mode	Vertically placed on a desk

Port Parameters

Name	Parameter
2.5GE port	- RJ-45 port 10/100/1000/2500 Mbit/s auto-sensing - Limit on the number of learned MAC addresses - MAC address learning
GE port	- RJ-45 port 10/100/1000 Mbit/s auto-sensing - Limit on the number of learned MAC addresses - MAC address learning
2.4GHz/5GHz Wi-Fi 7	- IEEE 802.11 b/g/n/ax/be (2.4 GHz) - IEEE 802.11 a/n/ac/ax/be (5 GHz) 2 x 2 MIMO (2.4 GHz & 5 GHz) - Air interface rate:

Name	Parameter
	– 688 Mbit/s (2.4 GHz) – 2882 Mbit/s (5 GHz) • Maximum number of access users: 64 • WMM (Wi-Fi Multimedia) • Beamforming • Band steering • 4096 QAM • 160 MHz channel width • WPA3 • MU MIMO • MLO (Multi-Link Operation) • Multi-RU

Product Functions

Feature	Description
Flexible networking	Working with gateway supports the following features: • Plug and play • One-click pairing and automatic networking • Automatic Wi-Fi configuration synchronization • Mesh network (tree type)
Smart interconnection	• 2 upstream modes: Ethernet upstream mode and Wi-Fi upstream mode • Working modes: – Routing mode (Ethernet or Wi-Fi upstream transmission) – Bridging mode (Ethernet or Wi-Fi upstream transmission, supporting 2-level cascading networking) • Auto-sensing of LAN or WAN on the network port (Internet access available when the network cable is connected to either port) • Auto-detection of Internet access mode (PPPoE/DHCP)
O&M	• Web UI • Dual-system software backup and rollback
L3 features	• PPPoE/static IP/DHCP • NAT/NAPT • Port forwarding • ALG, UPnP • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack • Static/default routes
Security	• SPI firewall • Parent control

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