

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

Copyright © Huawei Technologies Co., Ltd. 2025. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions

 HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base Bantian,
Longgang Shenzhen 518129 People's
Republic of China

Website: <https://eKit.huawei.com>