

K562 Datasheet 01

AX3000Mbps Wi-Fi 6 Edge ONT

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Product Overview

Huawei OptiXstar K562 is a dual-band edge ONT that supports gigabit access over both Wi-Fi 6 and Ethernet gigabit network ports.

- Embedded AI (eAI) acceleration for value-added services, such as online games, online education, and teleconference*
- Next-generation Wi-Fi 6 MU-MIMO technology
- VR/4K over Wi-Fi
- 160 MHz channel width
- 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)
- Remote management, installation and maintenance APP management, and user APP management



NOTE

Contact Huawei to obtain the list of online games, online education, and teleconference supported by each software version.

Physical Specifications

Dimensions	Φ117 (big end) 109 (small end) x 145 mm	Weight (Without power adapter)	< 700 g
Rated Power Input for Power Adapter	100 - 240 V AC, 50/60 Hz	System power supply	12V DC, 1 A
Static power consumption	< 4 W	Max power consumption	< 12 W
Indicator	1 status indicators	Buttons	Reset and WPS button

Memory	128MB Flash, 256MB RAM	Installation mode	On the desk
Operating temperature	0°C to 40°C	Operating humidity	5% RH to 95% RH (non-condensing)
Interface	NNI: Wi-Fi or GE UNI: • Wi-Fi uplink: 3GE + 2.4GHz&5GHz Wi-Fi 6 • GE uplink: 2GE + 2.4GHz&5GHz Wi-Fi 6	Antenna type	6 internal antennas

Wi-Fi Specifications

Supported Protocol	IEEE 802.11 ax (2.4GHz&5GHz)	MIMO	2×2 MIMO (2.4GHz&5GHz)
Antenna gain	2.4GHz Wi-Fi 6: 2dBi 5GHz Wi-Fi 6: 4dBi	Air interface rate	574 Mbps (2.4GHz) 2402 Mbps (5GHz)
Others	WMM(Wi-Fi MultiMedia); Beamforming; Band steering;1024-QAM, 160 MHz channel width, WPA3, and DL MU MIMO		

Feature Highlights

Home Network Working with gateway for the PremiumWi-Fi solution supports the following features: • Plug and play • One-click pairing and automatic networking • Automatic Wi-Fi configuration synchronization • Wi-Fi channel optimization within the home network • Wi-Fi roaming (802.11k/802.11v) within the home network * • VR/4K over Wi-Fi • Network self-healing • Mesh network (tree type)	Home Network Management Working with the iMaster NCE platform supports the following features: • Remote management and maintenance • Technician APP** • eAI acceleration management • Management of mobile phone APPs** of users: – Installation guide – Visible home network topology – One-click health check – Wi-Fi configuration – Blacklist and parent control	Smart interconnection • 2 upstream modes: Ethernet upstream mode and Wi-Fi upstream mode • Working modes: – Routing mode (Ethernet or Wi-Fi upstream transmission, which can be connected to the iMaster NCE platform) – 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)
Layer 3 Features • PPPoE/static IP/DHCP • NAT/NAPT • Port forwarding • ALG, UPnP • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack • Static/default routes	O&M • Web UI • Dual-system software backup and rollback Security • SPI firewall • Parent control	eAI Acceleration • Automatically identifies online games, online education, and teleconference services by eAI • Implements intelligent acceleration.

*: Supported when the STA supports 802.11k or 802.11v.

***: Huawei provides the basic mobile APP version for carriers. Carriers can develop customized features based on the SDK provided by Huawei.

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Huawei Technologies Co., Ltd.

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

Website: www.huawei.com