

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

Quick Specification

Table 1 shows the Quick Specification.

Model	OptiXstar K562
Dimensions (H x W x D)	117 mm × 117 mm × 146 mm
Weight	< 700 g
Operating Temperature	0°C to +40°C
Operating Humidity	5% RH to 95% RH (non-condensing)
Power Adapter Input	100–240 V AC, 50–60 Hz
System Power Supply	12V DC, 1 A
Static Power Consumption	< 4 W
Maximum Power Consumption	< 12 W
Antenna Type	4 internal antennas
NNI	Wi-Fi or GE
UNI	<ul style="list-style-type: none"> • Wi-Fi uplink: 3GE + 2.4GHz&5GHz Wi-Fi 6 • GE uplink: 2GE + 2.4GHz&5GHz WiFi 6
Indicators	1 status indicators
Installation mode	On the desk
Memory	128MB Flash, 512MB RAM

Figure 1 shows the appearance of OptiXstar K562.



Product Details

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	<p>Working with gateway for the PremiumWiFi solution supports the following features:</p> <ul style="list-style-type: none"> • 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
Home Network Management	<p>Working with the iMaster NCE platform supports the following features:</p>



	<ul style="list-style-type: none"> • Remote management and maintenance • Technician APP** • eAI acceleration management • Management of mobile phone APPs** of users: <ul style="list-style-type: none"> – Installation guide – Visible home network topology – One-click health check – Wi-Fi configuration – Blacklist and parent control
Smart interconnection	<ul style="list-style-type: none"> • 2 upstream modes: Ethernet upstream mode and Wi-Fi upstream mode • Working modes: <ul style="list-style-type: none"> – 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	<ul style="list-style-type: none"> • PPPoE/static IP/DHCP • NAT/NAPT • Port forwarding • ALG, UPnP • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack • Static/default routes
O&M	<ul style="list-style-type: none"> • Web UI • Dual-system software backup and rollback
Security	<ul style="list-style-type: none"> • SPI firewall • Parent control
eAI Acceleration	<ul style="list-style-type: none"> • Automatically identifies online games, online education, and teleconference services by eAI • Implements intelligent acceleration.
<p>*: Supported when the STA supports 802.11k or 802.11v.</p> <p>** : Huawei provides the basic mobile APP version for carriers. Carriers can develop customized features based on the SDK provided by Huawei.</p>	

Get More Information

Do you have any question about the OptiXstar K562?

Contact us now via info@hi-network.com.

Specification

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Indicators	1 status indicators
Button	Reset and WPS button
Installation mode	On the desk
Memory	128MB Flash, 512MB RAM

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