

K562e-10 Datasheet

AX3000Mbps Wi-Fi 6 Edge ONT

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Product Overview

Huawei OptiXstar K562e-10 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

- eAI acceleration requires the support of the NCE and licenses.
- Contact Huawei to obtain the list of online games, online education, and teleconference supported by each software version.

Physical Specifications

Dimensions (H x W x D)	35 mm × 155 mm × 105 mm (without pads or antennas)	Weight (Without power adapter)	About 239 g
Rated Power Input for Power Adapter	100 - 240 V AC, 50/60 Hz	System power supply	12V DC, 1 A
Static power consumption	4.2 W	Max power consumption	< 12 W
Indicator	4 status indicators	Buttons	Reset and WLAN/WPS button
Memory	128MB Flash, 256MB RAM	Installation mode	On the desk/Wall-mounted
Operating temperature	0°C - +40°C	Operating humidity	5% RH to 95% RH (non-condensing)
Interface	NNI: Wi-Fi or GE UNI: <ul style="list-style-type: none"> • Wi-Fi uplink: 4GE + 2.4GHz&5GHz Wi-Fi 6 • GE uplink: 3GE + 2.4GHz&5GHz Wi-Fi 6 	Antenna type	2 external antennas

Wi-Fi Specifications

Supported Protocol	IEEE 802.11 ax (2.4GHz&5GHz)	MIMO	2×2 MIMO (2.4GHz&5GHz)
Antenna gain	7dBi	Air interface rate	574 Mbps (2.4GHz) 2402 Mbps (5GHz)
Others	1024-QAM, 160 MHz channel width, WPA3, and DL MU MIMO		

Interface Parameters

Ethernet port
<ul style="list-style-type: none"> • Limit on the number of learned MAC addresses • MAC address learning • Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s


Feature Highlights

<p>Home Network</p> <p>Working with gateway for the PremiumWi-Fi 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 • Network self-healing • Mesh network (tree type) 	<p>Home Network Management</p> <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 	<p>Smart interconnection</p> <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)
<p>Layer 3 Features</p> <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 	<p>O&M</p> <ul style="list-style-type: none"> • Web UI • Dual-system software backup and rollback 	<p>Security</p> <ul style="list-style-type: none"> • SPI firewall • Parent control
	<p>Power saving</p> <ul style="list-style-type: none"> • Indicator power saving • COC V8 	<p>eAI Acceleration</p> <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>		

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