Huawei OptiXstar K572 Datasheet 01

Wi-Fi 7 Edge ONT

Product Overview

Huawei OptiXstar K572 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)
- Remote management

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Physical Specifications

Dimensions (H x W x D)	140 mm × 188 mm × 35 mm (excluding the base)	**Weight (Without power adapter)**	About 325 g
Rated Power Input for Power Adapter	100 - 240 V AC, 50/60 Hz	**System power supply**	12V DC, 1 A
Static power consumption	5.5 W	**Max power consumption**	12 W
Indicator	1 status indicators	**Buttons**	• Reset button • WLAN/WPS button
Memory	128 MB Flash, 256 MB RAM	**Installation mode**	Vertically placed on a desk or mounted on a wall
Operating temperature	0°C to 40°C	**Operating humidity**	5% RH to 95% RH (non-condensing)
Interface	NNI: 2.5GE or Wi-Fi UNI: • 2.5GE uplink: 1x2.5GE+2xGE+2.4GHz&5GHz Wi-Fi 7 • Wi-Fi uplink: 2x2.5GE+2xGE+2.4GHz&5GHz Wi-Fi 7	-	-

Wi-Fi Specifications

Supported Protocol	IEEE 802.11 be (2.4GHz&5GHz)	**Others**	• WMM(Wi-Fi Multimedia) • Beamforming • Band steering • 4096 QAM • 160 MHz channel width • WPA3 • MU MIMO • MLO (Multi-Link Operation) • Multi-RU
Antenna gain	2.4GHz Wi-Fi 7: 4dBi 5GHz Wi-Fi 7: 5dBi		
MIMO	2×2 MIMO (2.4GHz&5GHz)		
Air interface rate	688 Mbps (2.4GHz) 2882 Mbps (5GHz)		

Interface Parameters

Ethernet port
• Limit on the number of learned MAC addresses • MAC address learning • GE port supports auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s • 2.5GE port supports auto-adaptive 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s or 2500 Mbit/s

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Feature Highlights

Home Network	Home Network Management	Smart interconnection
Working with gateway 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 * • Mesh network (tree type)	Working with the iMaster NCE platform supports remote management and maintenance	• 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
*: Supported when the STA supports 802.11k or 802.11v.		

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