

# 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



## Physical Specifications

<b>Dimensions (H x W x D)</b>	140 mm × 188 mm × 35 mm (excluding the base)	<b>Weight (Without power adapter)</b>	About 325 g
<b>Rated Power Input for Power Adapter</b>	100 - 240 V AC, 50/60 Hz	<b>System power supply</b>	12V DC, 1 A
<b>Static power consumption</b>	5.5 W	<b>Max power consumption</b>	12 W
<b>Indicator</b>	1 status indicators	<b>Buttons</b>	<ul style="list-style-type: none"> <li>Reset button</li> <li>WLAN/WPS button</li> </ul>
<b>Memory</b>	128 MB Flash, 256 MB RAM	<b>Installation mode</b>	Vertically placed on a desk or mounted on a wall
<b>Operating temperature</b>	0°C to 40°C	<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)
<b>Interface</b>	NNI: 2.5GE or Wi-Fi UNI: <ul style="list-style-type: none"> <li>2.5GE uplink: 1x2.5GE+2xGE+2.4GHz&amp;5GHz Wi-Fi 7</li> <li>Wi-Fi uplink: 2x2.5GE+2xGE+2.4GHz&amp;5GHz Wi-Fi 7</li> </ul>	-	-

## Wi-Fi Specifications

<b>Supported Protocol</b>	IEEE 802.11 be (2.4GHz&5GHz)	<b>Others</b>	<ul style="list-style-type: none"> <li>WMM(Wi-Fi Multimedia)</li> <li>Beamforming</li> <li>Band steering</li> <li>4096 QAM</li> <li>160 MHz channel width</li> <li>WPA3</li> <li>MU MIMO</li> <li>MLO (Multi-Link Operation)</li> <li>Multi-RU</li> </ul>
<b>Antenna gain</b>	2.4GHz Wi-Fi 7: 4dBi 5GHz Wi-Fi 7: 5dBi		
<b>MIMO</b>	2×2 MIMO (2.4GHz&5GHz)		
<b>Air interface rate</b>	688 Mbps (2.4GHz) 2882 Mbps (5GHz)		

## Interface Parameters

<b>Ethernet port</b>
<ul style="list-style-type: none"> <li>Limit on the number of learned MAC addresses</li> <li>MAC address learning</li> <li>GE port supports auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s</li> <li>2.5GE port supports auto-adaptive 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s or 2500 Mbit/s</li> </ul>


# Feature Highlights

<p><b>Home Network</b></p> <p>Working with gateway supports the following features:</p> <ul style="list-style-type: none"> <li>• Plug and play</li> <li>• One-click pairing and automatic networking</li> <li>• Automatic Wi-Fi configuration synchronization</li> <li>• Wi-Fi channel optimization within the home network</li> <li>• Wi-Fi roaming (802.11k/802.11v) within the home network *</li> <li>• Mesh network (tree type)</li> </ul>	<p><b>Home Network Management</b></p> <p>Working with the iMaster NCE platform supports remote management and maintenance</p>	<p><b>Smart interconnection</b></p> <ul style="list-style-type: none"> <li>• 2 upstream modes: Ethernet upstream mode and Wi-Fi upstream mode</li> <li>• Working modes: <ul style="list-style-type: none"> <li>– Routing mode (Ethernet or Wi-Fi upstream transmission, which can be connected to the iMaster NCE platform)</li> <li>– Bridging mode (Ethernet or Wi-Fi upstream transmission, supporting 2-level cascading networking)</li> </ul> </li> <li>• Auto-sensing of LAN or WAN on the network port (Internet access available when the network cable is connected to either port)</li> <li>• Auto-detection of Internet access mode (PPPoE/DHCP)</li> </ul>
<p><b>Layer 3 Features</b></p> <ul style="list-style-type: none"> <li>• PPPoE/static IP/DHCP</li> <li>• NAT/NAPT</li> <li>• Port forwarding</li> <li>• ALG, UPnP</li> <li>• DDNS/DNS server/DNS client</li> <li>• IPv6/IPv4 dual stack</li> <li>• Static/default routes</li> </ul>	<p><b>O&amp;M</b></p> <ul style="list-style-type: none"> <li>• Web UI</li> <li>• Dual-system software backup and rollback</li> </ul>	<p><b>Security</b></p> <ul style="list-style-type: none"> <li>• SPI firewall</li> <li>• Parent control</li> </ul>
<p>*: Supported when the STA supports 802.11k or 802.11v.</p>		

Copyright © Huawei Technologies Co., Ltd. 2024. 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: www.huawei.com