

# Huawei OptiXstar K153 Datasheet

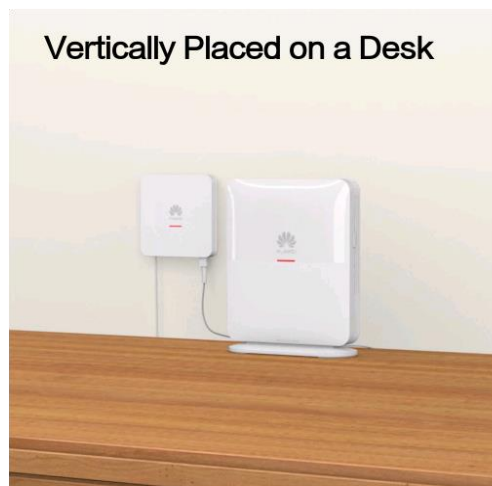
Slave FTTR for Huawei FTTR OptiXstar F30

## Overview

Huawei OptiXstar K153 is a Slave FTTR for the Huawei FTTR OptiXstar F30. It supports ultra-gigabit broadband access through upstream fibers and provides users with Gigabit dual-band Wi-Fi and Gigabit network ports.

- Unique SRCN (seamless roaming coordinate network) technology, enabling imperceptible roaming in the entire house
- C-WAN architecture, centrally controlling and coordinating network-wide Wi-Fi resources by the Master FTTR to deliver ultra-gigabit broadband experience in a whole house
- 360-degree coverage and beamforming by built-in smart antennas, ensuring IoT connection reliability
- Space for coiling extra cables, enabling neat deployment
- Applicable to multiple installation scenarios, and can be placed vertically on a desk, mounted on a wall, clamped in a socket panel or embedded in a 86 Box using a bracket





## Device Parameters

<b>Dimensions (H x W x D)</b>	157 mm x 130 mm x 30 mm (excluding the base and bracket)	<b>System power supply</b>	12 V DC, 1 A
<b>Weight (without power adapter)</b>	About 255 g (excluding the base and bracket)	<b>Static power consumption</b>	7.5 W
<b>Installation mode</b>	<ul style="list-style-type: none"> <li>Placed vertically on a desk</li> <li>Wall-mounted using bracket: a socket panel clamping, a 86 Box embedding, and screw-locking on a wall</li> </ul>	<b>Maximum power consumption</b>	12 W
<b>Memory</b>	128 MB Flash, 256 MB RAM	<b>NNI</b>	Fiber for upstream transmission
<b>Operating temperature</b>	0°C ~ +40°C	<b>UNI</b>	2xGE+2.4GHz&5GHz Wi-Fi
<b>Operating humidity</b>	5%–95% RH, non-condensing	<b>Optical connector</b>	SC/APC
<b>Power adapter input</b>	100 V to 240 V AC, 50/60 Hz	<b>Indicator</b>	One indicator: red and white
<b>Button</b>	<ul style="list-style-type: none"> <li>Reset button</li> <li>Indicator/WPS button</li> </ul>		

# Interface Parameters

Optical port	Wi-Fi
<ul style="list-style-type: none"><li>Port type: SC/APC</li><li>Transmission rate: downstream rate 2.488 Gbit/s, upstream rate 1.244 Gbit/s</li><li>Working with the Master FTTR, plug-and-play</li></ul>	<ul style="list-style-type: none"><li>IEEE 802.11 b/g/n/ax(2.4GHz)</li><li>IEEE 802.11 a/n/ac/ax(5GHz)</li><li>2 x 2 MIMO (2.4 GHz &amp; 5 GHz)</li><li>1024 QAM</li><li>160 MHz bandwidth</li><li>WPA3/WPA2/WPA1</li><li>MU-MIMO</li><li>Air interface rate: 574 Mbps (2.4 GHz), 2402 Mbps (5 GHz)</li></ul>
Ethernet port	
<ul style="list-style-type: none"><li>MAC address learning</li><li>10/100/1000 Mbps auto-sensing</li></ul>	

## Product Function

Home Network	O&M
<ul style="list-style-type: none"><li>Working with the Master FTTR to implement FTTR networking</li><li>C-WAN architecture, centrally controlling and coordinating network-wide Wi-Fi resources by the Master FTTR</li><li>Home Wi-Fi slicing and ONT cross-network acceleration assurance</li><li>Automatic Wi-Fi configuration synchronization</li><li>Intelligent Wi-Fi optimization for a home network</li><li>Seamless Wi-Fi roaming within a home network (SRCN roaming technology, compatible with 802.11k/802.11v<sup>1</sup>)</li></ul>	<ul style="list-style-type: none"><li>Web UI</li><li>Software dual-backup and rollback</li><li>Huawei HOUP smart upgrade</li></ul>


### NOTE

1. The SRCN roaming technology is subject to the version provided by your operator. The 802.11k/802.11v technology must also be supported by user terminals.

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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