

OptiXstar B671G-1E3W Datasheet

Sub FTTR device

Overview

Huawei OptiXstar B671G-1E3W is a sub FTTR device that supports Wi-Fi 6 for enterprises. It provides ultra-broadband access through optical fibers in the upstream direction and works with a main FTTR device to realize gigabit Wi-Fi coverage for enterprises.



NOTE

The figures in this document may differ from the actual products. The actual products prevail.

Features & Benefits

- Supports Wi-Fi 6, 160 MHz frequency band.
- Based on the OFDMA technology, a single secondary device supports 64 concurrent connections.
- Supports Wi-Fi roaming with a handover latency about 50 ms (<100ms before V500R022C10 version).
- Photoelectric composite cables supply power to remote secondary devices, eliminating difficulties in power acquisition.
- Features high efficiency and stability, strong anti-interference capability, and wide coverage.

Hardware Specifications

Dimensions (H x W x D)	38 mm x 200 mm x 200 mm	Weight (excluding)	About 0.6kg
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		adapter)	
Power supply	12 V DC, 1.5 A (power obtained through adapter) 56 V DC, 0.25 A (POF* power supply)	Rated input range of power adapter	100~240 V AC,50/60 Hz
Static power consumption	6W	Maximum power consumption	11W
Fiber port	GPON upstream transmission (port type: XC/UPC)	Button	Reset button
Ports	Network side: GPON User side: 1 GE + 2.4 GHz & 5 GHz Wi-Fi 6	Indicator	One WLAN running indicator
IP rating	IP40	Installation mode	Indoor ceiling-mounted/wall-mounted installation NOTE <ul style="list-style-type: none"> Do not install the device outdoors. Do not install the device in an indoor environment with water intrusion risks.
Operating Temperature	-10°C to +50°C	Operating humidity	5%~95% RH, non-condensing

*POF refers to photoelectric composite cable.

NOTE

If a power adapter is used for power supply, verify that the power adapter complies with related safety standards and has passed the CE certification. Otherwise, the device may be damaged.

Wi-Fi Specifications

Supported protocol	IEEE 802.11 ax (2.4GHz&5GHz)	MIMO	2 x 2 MIMO (2.4 GHz & 5 GHz)
Antenna gain	5 dBi	Air interface rate	574 Mbps (2.4 GHz) 2402 Mbps (5 GHz)
Frequency band	20/40/80/160 MHz	Others	1024-QAM, WPA3, DL MU MIMO

Port Parameters

Optical port	Gigabit Ethernet port
<ul style="list-style-type: none"> Downstream rate: 2.488 Gbit/s; upstream rate: 1.244 Gbit/s Plug-and-play 	<ul style="list-style-type: none"> MAC address limit MAC address learning 10 Mbit/s, 100 Mbit/s, and 1000 Mbit/s auto-sensing

Product Functions

Enterprise network	Smart connectivity
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- Working with the main FTTR to realize all-optical Wi-Fi coverage for enterprises
 - No electromagnetic interference and low latency
 - Automatic networking between the B666G and B671G, and plug-and-play
 - Automatic Wi-Fi configuration synchronization
 - Automatic Wi-Fi channel selection for the main FTTR device
 - Supports Wi-Fi roaming with a handover latency about 50 ms (<100ms before V500R022C10 version) (802.11k/802.11v)* under the same main FTTR device

- Upstream transmission modes: optical fiber
- Working mode: bridge mode

O&M


- Web UI
- Software dual-backup and rollback

*: User terminals must support 802.11k/802.11v.

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