

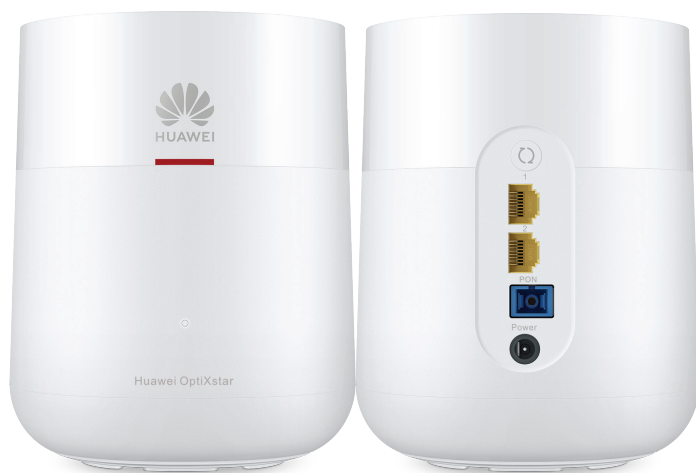
Datasheet

Huawei intelligent an AX3000Mbps Wi-Fi 6 Slave FTTR for FTTR all-optical Wi-Fi solution

Product Overview

The Huawei OptiXstar W616E-D is an AX3000Mbps Wi-Fi 6 Slave FTTR Unit for FTTR all-optical Wi-Fi solution. Through optical and Ethernet upstream technology, it achieves Ultra-wideband access and provides dual-band Gigabit Wi-Fi 6 and Gigabit internet access for users.

- Next-generation Wi-Fi 6 MU-MIMO technology
- Supports optical upstream to facilitate continuous FTTR evolution
- VR/4K over Wi-Fi
- 160 MHz bandwidth
- Strong Anti-interference, long-range coverage, self-healing network



NOTE

This device can only be used with the Master FTTR Unit for FTTR all-optical Wi-Fi solution. Do not use it independently.

Physical Specifications

Dimensions	Diameter: $\phi 109$ to $\phi 117$ mm Height: 145mm	Weight (without power adapter)	About 700 g
System power supply	12V DC, 1 A	Power adapter input	100 V to 240 V AC, 50/60 Hz
Maximum power consumption	12 W	Button	Reset button, WPS button
Optical connector	SC/UPC	Antenna type	Six build-in antennas
Memory	128MB Flash, 256MB RAM	Installation mode	Desktop placement
Operating temperature	0°C to 40°C	Operating humidity	5% RH to 95% RH (non-condensing)
Ports	Network side: Optical or GE Users side: - Optical upstream: 2GE+2.4GHz&5GHz Wi-Fi 6 - Ethernet upstream: 1GE+2.4GHz&5GHz Wi-Fi 6	Indicator	One indicator

Wi-Fi Specifications

Supported Protocol	IEEE 802.11 ax (2.4GHz&5GHz)	MIMO	2×2 MIMO (2.4GHz&5GHz)
Antenna gain	2.4GHz Wi-Fi 6: 2dBi 5GHz Wi-Fi 6: 4dBi	Air interface rate	574 Mbps (2.4GHz) 2402 Mbps (5GHz)
Others	1024-QAM, 160MHz channel bandwidth, WPA3, DL MU MIMO		

Ports Parameters

Optical port	Ethernet port
- Port type: SC/UPC - Transmission rate: downstream 2.488Gbit/s, upstream 1.244Gbit/s - Plug and Play	- MAC address learning - Supports 10Mbit/s, 100Mbit/s, 1000Mbit/s auto-adaptation

Product Function

Home Network • Cooperates with the Master FTTR for FTTR all-optical Wi-Fi solution, achieves bringing optical to individual rooms – Fibers without electromagnetic interference and low latency – Plug and Play – Wi-Fi parameter auto-adaptation – Wi-Fi channel optimization within the home network – Wi-Fi roaming (802.11k/802.11v)* within the home network – VR/4K over Wi-Fi	Smart interconnection • Upstream modes: Optical/Ethernet • Working mode: Bridging mode O&M • Web UI • Dual-system software backup and rollback • Huawei HOUP intelligent upgrade (supported only in some markets)
*: Supported when the STA supports 802.11k or 802.11v.	

Copyright © Huawei Technologies Co., Ltd. 2022. 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