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Huawei B818 4G Router 3 Prime CAT-19 Router

SKU
CPE-HW-00001
MPN
B818-263

Description

Huawei's B818 4G router is a gigabit modem capable of delivering up to 1.6 Gb/s in downlink speeds using its Category-19 LTE Advanced Pro chipset.

This headline data rate is capable through advanced wireless technologies including 4x4 MIMO, 256QAM modulation, and Quad-carrier aggregation.

The B818 modem is very popular for users looking to make the most out of the latest 4G LTE upgrades, often providing data speeds nearing that of 5G networks.

The Huawei B818 modem can automatically select and seamlessly switch to the band with stronger signals. Supporting both 5 GHz and 2.4 GHz bands, the router delivers super fast Wi-Fi speed up to 1167 Mb/s, and also offers stable wireless connection in more rooms. Two gigabit RJ45 Ethernet ports supports LAN connectivity to larger commercial networks.

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Like many modems the unit is throttled by its 1 Gb/s LAN port, and 802.11ac WiFi limited to 1167 Mb/s. The headline data rate of 1.6 Gb/s is still important as it defines the unit's spectral efficiency, which is important in achieving the best possible data speed while competing against other users for tower airtime.

Lower cellular bands are limited to 2x2 MIMO (< 1800 MHz).

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Huawei

Huawei stands as a premier global provider of information and communications technology (ICT) solutions. The overarching goal is to enhance life and boost efficiency via a more interconnected world, whilst embodying a responsible corporate citizen, an innovative catalyst for the information society, and a collaborative industry contributor. Guided by customer-focused innovation and open ...

Network Interfaces
Wireless Interfaces

Cellular Module
Technologies
3G UMTS, 4G LTE, 5G NR
Failover
Manual

4G LTE Specifications

MIMO
4x4 MIMO
LTE Bands
B20
,
B26
,
B28
,
B32
,
B38
,
B40
,
B41
,
B42
,
B43
DL Category
Cat 19
UL Category
Cat 13
Carrier Aggregation
4C CA
SIM Cards

Quantity	SIM Type
1	Micro SIM (3FF)

Modem RF Connectors

RF Connector Function	Quantity	RF Interface
Cellular	2	TS-9 Female

WiFi Module
WiFi Chipset
GigaHome WiFi
No. Radios
2
Max. Throughput
1167 Mb/s
Max. Clients
64
No. Antennas
2
WiFi Radios

Radio Name (Optional)	WiFi Standard	Frequency Bands	MIMO
Radio A	802.11n	2.4 GHz	2x2 MIMO
Radio B	802.11ac Wave 1	5 GHz	2x2 MIMO

Ethernet Interfaces

Interface	Quantity	Function	Signalling
RJ45 Copper	1	LAN	100BASE-T, 1000BASE-T
RJ45 Copper	1	LAN/WAN	100BASE-T, 1000BASE-T

Physical Specification

Subtype
Router
Min. Operating Temperature
0 °C
Max. Operating Temperature
40 °C
Dimensions
225 × 103 × 103 mm
Weight
614 g
Materials
ABS Plastic
Compliance/Certifications
CE
,
RCM
,

RoHS

IO Interfaces

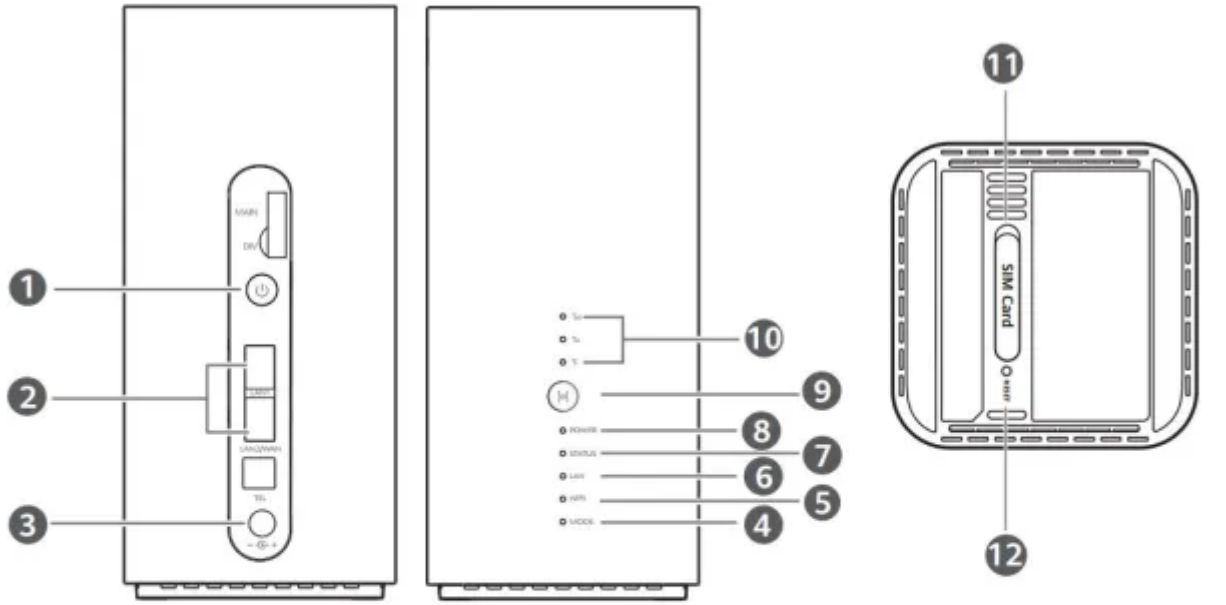
IO Connector	Quantity	Notes
RJ11 Phone Socket	1	For connecting ordinary telephone

Power Specifications

Max. Consumption

24 W

Drawing



1	Power button	2	LAN/WAN port
3	Power input	4	MODE indicator
5	Wi-Fi® indicator	6	LAN indicator
7	Network status indicator	8	Power indicator
9	Hi/WPS button	10	Signal indicators
11	SIM card slot	12	Reset button

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