

# 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

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# Network Interfaces

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# Wireless Interfaces

## Cellular Module

Technologies:	3G UMTS, 4G LTE, 5G NR
Failover:	Manual

### 4G LTE Specifications

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

SIM Cards	
Quantity	SIM Type
1	Micro SIM (3FF)

Modem RF Connectors		
RF Connector Function	Quantity	RF Interface

WiFi Module

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

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

# IO Interfaces

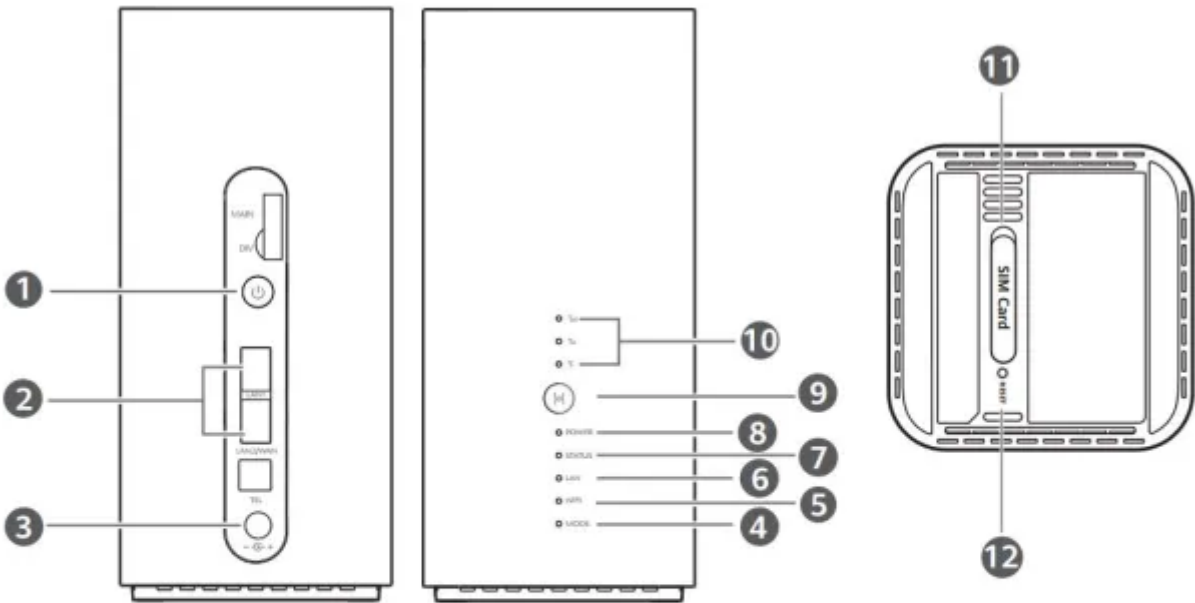
IO Connector	Quantity	Notes
RJ11 Phone Socket	1	For connecting ordinary telephone

# 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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