

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

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 |
| , | | | |
| B28 | | | |
| , | | | |
| B32 | | | |
| , | | | |
| B38 | | | |
| , | | | |
| B40 | | | |
| , | | | |
| B41 | | | |
| , | | | |
| B42 | | | |
| , | | | |
| 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

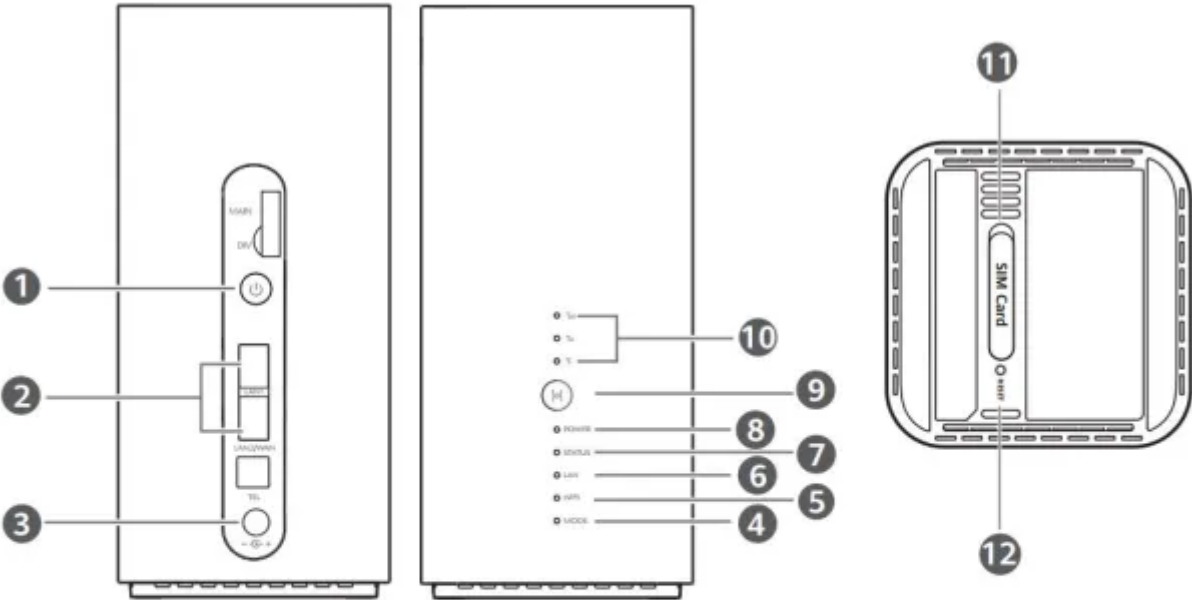
| IO Connector | Quantity | Notes |
|-------------------|----------|-----------------------------------|
| RJ11 Phone Socket | 1 | For connecting ordinary telephone |

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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