





# **ENJOY THE FREEDOM OF LTE**

Cables can no longer limit you. CAT6 LTE delivers speed up to 300 Mbps with low latency, so having a traditional Ethernet connection is not a must-have for streaming high-quality videos or gaming. Alternatively, you can use the two Gigabit Ethernet ports and keep the LTE option for backup. One of the Ethernet ports supports PoE for powering the device.

Dual-chain 2.4 GHz and 5 GHz wireless coverage will solve most interference issues in a crowded environment. For example, you can simultaneously use the 2.4 GHz channel for all your household mobile devices and reserve the 5 GHz channel for your PC or TV.

Order your Audience today and start living in the future.

The future of easy and elegant networking.





## **General specifications**

| Product code               | RBD25G-5HPacQD2HPnD, RBD25GR-5HPacQD2HPnD&R11e-LTE6             |                |                |
|----------------------------|---|----------------|----------------|
| CPU                        | 4 core IPQ-4019 716 MHz   |                |                |
| Size of RAM                | 256 MB  |                |                |
| Storage                    | 128 MB NAND, 2 MB flash   |                |                |
| 10/100/1000 Ethernet ports | 2   |                |                |
| Wireless*                  | 2.4 GHz   | 5.18 - 5.3 GHz | 5.5 - 5.85 GHz |
| Protocols                  | 802.11b/g/n   | 802.11a/n/ac   | 802.11a/n/ac   |
| Number of chains           | 2   |                | 4              |
| Wireless antenna max gain  | 3.5 dBi   | 4.5 dBi        |                |
| Wireless regulations       | Specific frequency range will be limited by country regulations |                |                |
| Antenna beam width         | 360°  |                |                |
| Supported input voltage    | DC jack 12 - 57 V   |                |                |
| PoE in                     | 802.3af/at 24 - 57 V  |                |                |
| Dimensions                 | 100 x 235 x 97 mm   |                |                |
| Operating temperature      | -30°C +60°C   |                |                |
| Operating system           | RouterOS, License level 4                                       |                |                |
| Max power consumption      | 27 W  |                |                |

\*Audience's 5 GHz coverage is limited to 5180 - 5320 MHz, as it uses 5500 - 5825 MHz spectrum to communicate with other Audience devices.

## LTE model specifications

| Product code         | RBD25GR-5HPacQD2HPnD&R11e-LTE6   |
|----------------------|--|
| Micro SIM slots      | 1  |
| MiniPCle slots       | 1  |
| LTE category         | 6 (300 Mbps Downlink, 50 Mbps Uplink)  |
| LTE antenna max gain | 4 dBi (with u.FL connector)  |
| LTE (FDD) bands      | 1(2100)/2(1900)/3(1800)/5(850)/7(2600)/8(900)/12(700)/17(700)/20(800)/25(1900)/<br>26(850) |
| LTE (TDD) bands      | 38(2600)/39(1900)/40(2300)/41n(2500)   |
| 3G bands             | 1(2100)/2(1900)/5(850)/8(900)  |
| 2G bands             | 2(1900)/3(1800)/5(850)/8(900)  |

Audience series



#### Supported 2xCA LTE bands

| 1+1/5/8/20 | 2+2/5/12/17 | 3+3/5/7/8/20 | 7+7/8/12/20 | 8+8   |
|------------|-------------|--------------|-------------|-------|
| 12+12      | 38+38       | 39+39/41     | 40+40       | 41+41 |

## Wireless specifications

| Rate (2.4 GHz) | Tx (dBm) | Rx (dBm) |
|----------------|----------|----------|
| 1MBit/s        | 26       | -100     |
| 11MBit/s       | 26       | -94      |
| 6MBit/s        | 29       | -96      |
| 54MBit/s       | 26       | -80      |
| MCS0           | 29       | -96      |
| MCS7           | 25       | -75      |

| Rate (5 GHz<br>5180 – 5320) | Tx (dBm) | Rx (dBm) |
|-----------------------------|----------|----------|
| 6MBit/s                     | 28       | -95      |
| 54MBit/s                    | 25       | -78      |
| MCS0                        | 28       | -95      |
| MCS7                        | 24       | -75      |
| MCS9                        | 22       | -70      |

| Rate (5 GHz<br>5500 – 5825) | Tx (dBm) | Rx (dBm) |
|-----------------------------|----------|----------|
| 6MBit/s                     | 32       | -96      |
| 54MBit/s                    | 28       | -80      |
| MCS0                        | 32       | -96      |
| MCS7                        | 27       | -77      |
| MCS9                        | 25       | -72      |

### Included parts







Ethernet cable

Audience series