

## Specifications

Details	
Product code	RBD25GR-5HPacQD2HPnD&R11e-LTE6
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	716 MHz
Dimensions	100 x 235 x 97 mm
RouterOS license	4
Operating System	<a href="#">RouterOS</a>
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-30°C to 60°C
IPsec hardware acceleration	Yes

## Powering

Details	
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V

### Details

Max power consumption	30 W
Max power consumption without attachments	20 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	24-57 V

## Mobile

### Details

2G Category	Class12
2G bands	2 (1900MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
3G Category	R7 (21Mbps Downlinks, 5.76Mbps Uplink) / R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	1 (2100MHz) / 2 (1900MHz) / 5 (850MHz) / 8 (900MHz)
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
LTE FDD bands	1 (2100MHz) / 2 (1900MHz) / 3 (1800MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 5 (850MHz) / 12 (700MHz) / 17 (700MHz) / 25 (1900MHz) / 26 (850MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 39 (1900MHz) / 41n (2500MHz)

## Wireless specifications

### Details

Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2
Wireless 2.4 GHz standards	802.11b/g/n

### Details

Antenna gain dBi for 2.4 GHz	3.5
Wireless 2.4 GHz chip model	IPQ-4019
Wireless 2.4 GHz generation	Wi-Fi 4

Wireless 5 GHz Max data rate	867 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	4.5
Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5

Wireless 5 GHz Max data rate	1733 Mbit/s
Wireless 5 GHz number of chains	4
Wireless 5 GHz standards	802.11a/n/ac
Antenna gain dBi for 5 GHz	4.5
Wireless 5 GHz chip model	QCA9984
Wireless 5 GHz generation	Wi-Fi 5

## Ethernet

### Details

10/100/1000 Ethernet ports	2
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## Peripherals

### Details

Number of SIM slots	1 Modem (Micro SIM)
MiniPCI-e slots	1

## Certification & Approvals

### Details

Certification	CE, FCC, IC, EAC, ROHS
IP	IP20

## Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	26	-100
11MBit/s	26	-94
6MBit/s	29	-96
54MBit/s	26	-80
MCS0	29	-96
MCS7	25	-75
5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	28	-95
54MBit/s	24	-78
MCS0	28	-95

<b>5 GHz</b>	<b>Transmit (dBm)</b>	<b>Receive Sensitivity</b>
MCS7	23	-75
MCS9	21	-70
<b>5 GHz</b>	<b>Transmit (dBm)</b>	<b>Receive Sensitivity</b>
6MBit/s	32	-96
54MBit/s	28	-80
MCS0	32	-96
MCS7	27	-77
MCS9	25	-72