

Specifications

Details	
Product code	D53G-5HacD2HnD-TC&RG502Q-EA
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	716 MHz
Dimensions	240 x 156 x 44 mm
RouterOS license	4
Operating System	RouterOS (v7 only)
Size of RAM	256 MB
Storage size	16 MB
Storage type	FLASH
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes

Powering

Details	
Number of DC inputs	1 (DC jack)
DC jack input Voltage	12-28 V

Details	
Max power consumption	23 W
Max power consumption without attachments	17 W
Cooling type	Passive

Mobile

Details	
3G Category	R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	6 (850 MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz) / 19 (800 MHz) / 1 (2100MHz)
LTE Category	20 (2.0 Gbps Downlink, 200 Mbps Uplink)
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 18 (800 MHz) / 19 (800 MHz) / 20 (800MHz) / 26 (850MHz) / 28 (700MHz) / 32 (1500 MHz)
LTE TDD bands	38 (2600MHz) / 39 (1900MHz) / 40 (2300MHz) / 41 (2500MHz) / 42 (3500MHz) / 43 (3700MHz) / 34 (2000 MHz)
5G NSA FDD bands	1 (2100 MHz) / 3 (1800 MHz) / 5 (850 MHz) / 7 (2600 MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz)
5G NSA TDD bands	40 (2300 MHz) / 41 (2500 MHz) / 77 (3700 MHz) / 78 (3500 MHz) / 79 (4700 MHz) / 38 (2600 MHz)
5G SA FDD bands	1 (2100 MHz) / 3 (1800 MHz) / 5 (850 MHz) / 7 (2600 MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz)
5G SA TDD bands	41 (2500 MHz) / 77 (3700 MHz) / 78 (3500 MHz) / 79 (4700 MHz) / 38 (2600 MHz) / 40 (2300 MHz)

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	2
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
Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5

Ethernet

Details

10/100/1000 Ethernet ports	5
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Peripherals

Details

Number of SIM slots	1 Modem (Micro SIM)
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Details

Number of M.2 slots	1
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Other

Details

Mode button	Yes
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Certification & Approvals

Details

Certification	CE, EAC, ROHS
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Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73
5 GHz	Transmit (dBm)	Receive Sensitivity
6MBit/s	26	-96
54MBit/s	22	-80

5 GHz	Transmit (dBm)	Receive Sensitivity
MCS0	26	-96
MCS7	21	-75
MCS9	19	-70