

Specifications

Details	
Product code	RBD53iG-5HacD2HnD
Architecture	ARM 32bit
CPU	IPQ-4019
CPU core count	4
CPU nominal frequency	716 MHz
Switch chip model	IPQ-4019
Dimensions	251 x 129 x 39 mm
RouterOS license	4
Operating System	RouterOS
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 70°C
IPsec hardware acceleration	Yes
Suggested price	\$109.00

Wireless capabilities

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
Antenna gain dBi for 2.4 GHz	3
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	5.5

Details

Wireless 5 GHz chip model	IPQ-4019
Wireless 5 GHz generation	Wi-Fi 5
WiFi speed	AC1200

Ethernet

Details

10/100/1000 Ethernet ports	5
Number of 1G Ethernet ports with PoE-out	1

Peripherals

Details

Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type A
Max USB current (A)	1

Powering

Details

Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-28 V
Max power consumption	30 W
Max power consumption without attachments	12 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	18-28 V

PoE-out

Details

PoE-out ports	Ether5
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Details

PoE out	Passive PoE
Max out per port output (input 18-30 V)	0.5 A
Max total out (A)	0.5 A

Certification & Approvals

Details

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

Other

Details

Mode button	Yes
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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
MCS0	26	-96
MCS7	21	-75
MCS9	19	-70