Metal 52 ac

The Metal is a completely waterproof and rugged outdoor wireless device with a super high output power.

Now with 802.11ac support, a Gigabit Ethernet port and a selectable wireless band (2.4 GHz or 5 GHz, up to 80 MHz wide channel). The new Gigabit port will help you utilize the full benefit of 802.11ac high speed wireless.

The Metal 52 ac supports 2.4 GHz, 5 GHz and all the legacy wireless modes as well (802.11 b/g/n for 2.4 GHz and 802.11 ac/n/a for 5 GHz).

Fully sealed, industrial design metal case, powered by RouterBOARD and RouterOS. The Metal comes with an AP software license, so you can attach your favorite antenna to use it as an AP, to make wireless point-to-point links or as a CPE - whatever you prefer!

The Metal 52 ac includes a Dual Band 2.4/5 GHz Omni directional antenna (6 dBi 2.4 GHz, 8 dBi 5 GHz), so you can use the unit right out of the box, or use your own antenna.

Wireless specifications

5 GHz		
RATE	Tx (dBm)	Rx (dBm)
1MBit/s	31	-97
11MBit/s	31	-91
6MBit/s	31	-93
54MBit/s	28	-77
MCS0	31	-93
MCS7	27	-72

2.4 GHz		
RATE	Tx (dBm)	Rx (dBm)
6MBit/s	31	-93
54MBit/s	27	-78
MCS0	30	-93
MCS7	26	-74
MCS9	22	-69

Specification

Product code	RBMetalG-52SHPacn (International) RBMetalG-52SHPacn-US (USA)
CPU	QCA9556
CPU nominal frequency	720 MHz
Size of RAM	64 MB
Memory type	Flash
Memory size	16 MB
10/100/1000 Ethernet ports	1
Wireless	5 GHz		2.4 GHz	

Wireless regulations	Specific frequency range can be limited by country regulations			
Operating frequency	International	5150 - 5875 MHz	International	2412 - 2484 MHz
	USA	5170 - 5250 MHz 5725 - 5835 MHz	USA	2412 - 2462 MHz

Protocols	802.11a/n/ac	802.11b/g/n
Chains	Single-chain	
Wireless chip	QCA9889	
PoE in	Yes	
Supported input voltage	10 - 30 V	
PCB temperature monitor	Yes	
Voltage monitor	Yes	
Dimensions	215 x 60 x 38 mm	
Operating temperature	-40°C .. +70°C tested	
License level	4	
Operating System	RouterOS	
Max power consumption	11 W	
Weight	Package: 778 g; Unit: 300 g	

Included

24 V 0.8 A power adapter	Gigabit PoE injector	Angled N connector	2x Metal rings	Dual Band 2.4/5 Ghz (6 dBi 2.4 Ghz, 8 dBi 5 GHz)