

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 (2.4GHz or 5GHz, up 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 $2.4 \, \text{GHz}$, $5 \, \text{GHz}$ and all the legacy wireless modes as well (802.11 b/g/n for $2.4 \, \text{GHz}$ and $802.11 \, \text{ac/n/a}$ for $5 \, \text{GHz}$).



Fully sealed, industrial design metal case, powered by RouterBOARD and RouterOS. With 1300mW of output power - to reach the last mile, in any conditions. 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 2.4/5GHz Omni directional antenna (6dBi 2.4GHz, 8dBi 5GHz), 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

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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		
Operating frequency	International	5150 - 5875 MHz	International	2412 - 2484 MHz	
	USA	5170 - 5250 MHz 5725 - 5835 MHz	USA	2412 - 2462 MHz	
Protocols	802.11ac		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	215x60x38mm				
Operating temperature	-40°C +70°C tested				
License level	4				
Operating System	RouterOS				
Max power consumption	11 W				
Weight	Package: 778g; Unit: 300g				



Included



24V 0.8A Power adapter



2x Mounting loops



Gigabit PoE injector



Angled N connector



2x Metal rings



Dual Band 2.4/5Ghz (6dBi 2.4Ghz, 8dBi 5GHz)