

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



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

# 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	177x44x44mm		
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)