

# Groove 52 ac

Our smallest outdoor series model - a fully featured wireless RouterBOARD powered by RouterOS. Weatherproof, durable and ready to use. Now with 802.11ac support, a Gigabit Ethernet port and a selectable wireless band (2.4GHz or 5GHz, up to 80 MHz wide channel). The new Gigabit port will help you utilise the full benefit of 802.11ac high speed wireless.

The Groove 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).

Two models are available, Groove for CPE and PtP connections, and GrooveA which also supports AP mode.

The device has a built-in N-male connector and pole attachment points, so you can attach it to an antenna directly, or use a standard antenna cable. LED signal indicators make it easy to install and align.

The Groove A (AP model) 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.

Box contains: Groove unit, mounting loops, PoE injector, power adapter, 6/8dBi 2.4/5GHz Omni antenna (Only A model).



24V 0.38A Power adapter



Omni antenna



Mounting loops



Gigabit PoE injector

# Specifications

Product code	RBGrooveGA-52HPacn (International, AP version) RBGrooveGA-52HPacn-US (USA, AP version) RBGrooveG-52HPacn (International) RBGrooveG-52HPacn-US (USA)			
CPU nominal frequency	QCA9556 720 MHz			
Size of RAM	64 MB			
Storage	16 MB Flash			
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	
Channel width	5*/10*/20/40/80 MHz		5/10/20/40 MHz	
Wireless chip model	QCA9889			
Chains	Single-chain			
PCB temperature monitor	Yes			
Voltage monitor	Yes			
PoE in	Yes			
Supported input voltage	11 V - 30 V (passive PoE)			
Operating temperature	-40 to 70° C			
License level	4 (RBGrooveGA version) 3 (RBGrooveG version)			
Dimensions	177 x 44 x 44 mm			
Power consumption	5 W			

## Wireless specifications

Rate (2.4 GHz)	Tx	Rx	Rate (5 GHz)	Tx	Rx
1MBit/s	24	-97	6MBit/s	26	-93
11MBit/s	21	-91	54MBit/s	21	-78
6MBit/s	24	-93	MCS0	26	-93
54MBit/s	21	-77	MCS7	21	-74
MCS0	24	-93	MCS9	19	-69
MCS7	20	-72			

\*Supports only 802.11an protocol.