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 (2.4 GHz or 5 GHz, 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 2.4 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).

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 2.4/5 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.

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





24 V 0.38 A power adapter



Omni antenna



Gigabit PoE injector



Metal ring

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	20/40/80 MHz		20/40 MHz	
Wireless chip model	QCA9889			
Wireless regulations	Specific frequency range may be limited by country regulations			
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
1MBit/s	24	-97
11MBit/s	21	-91
6MBit/s	24	-93
54MBit/s	21	-77
MCS0	24	-93
MCS7	20	-72

Rate (5 GHz)	Tx	Rx
6MBit/s	26	-93
54MBit/s	21	-78
MCS0	26	-93
MCS7	21	-74
MCS9	19	-69