



Metal 5 SHPn



24V 0.8A Adapter  
(EU, US, UK, AR or AU type)



Mounting loops



PoE injector



Angled N connector



6dBi omni antenna  
(only for 2SHPn model)



Metal rings

# Metal

## Rugged outdoor device!

Completely waterproof, rugged, and super high powered. The serious outdoor wireless device. Fully sealed, industrial design metal case, powered by RouterBOARD and RouterOS.

It 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.

Shipped complete with power injector, adapter (9HPn model only available with US type) and mounting kit. Available in three versions - 900MHz, 2GHz and 5GHz.

Metal 9HPn is compatible only with another Metal 9HPn. It will not work with any other 900MHz manufacturer product.

Product code	<b>900MHz:</b> RBMetal9HPn, <b>2.4GHz:</b> RBMetal2SHPn, <b>5GHz:</b> RBMetal5SHPn
CPU	Atheros AR7241 400MHz network processor
Memory	64MB DDR SDRAM onboard memory
Ethernet	One 10/100 Mbit/s Fast Ethernet port with Auto-MDI/X, L2MTU up to 2030
Wireless	5GHz, 2GHz or 900MHz (depends on model) 1x1 MIMO, N-male connector
Extras	Reset switch, Beeper, Voltage monitor, Temperature monitor
LEDs	5 wireless signal LEDs, ethernet activity LED (configurable)
Power options	Passive 8-30V PoE only. 16KV ESD protection on RF port
Consumption	Up to ~0.5A at 24V (11.5W)
Dimensions	177x44x44mm, 193g. Must be mounted with ethernet pointing down
Operating temperature	-30C to +70C
Operating system	MikroTik RouterOS Level4 license (station, point-to-point or AP modes)
Package contains	Metal SHPn unit, mounting loops, PoE injector, angled N connector, 6dBi omni antenna (only for 2SHPn model), mounting rings, 24V power adapter

RX sensitivity	5SHPn model	<b>802.11a:</b> -93 dBm @ 6Mbps to -77 dBm @ 54 Mbps <b>802.11n:</b> -93 dBm @ MCS0 to -71 dBm @ MCS7
	2SHPn model	<b>802.11b/g:</b> -93 dBm @ 6Mbps to -77 dBm @ 54 Mbps <b>802.11n:</b> -92 dBm @ MCS0 to -72 dBm @ MCS7 40MHz
	9HPn model	<b>802.11b/g:</b> -93 dBm @ 6Mbps to -75 dBm @ 54 Mbps <b>802.11n:</b> -93 dBm @ MCS0 to -71 dBm @ MCS7 40MHz
TX power	5SHPn model	<b>802.11a:</b> 31dBm @ 6Mbps to 27dBm @ 54 Mbps <b>802.11n:</b> 30dBm @ MCS0 to 26dBm @ MCS7
	2SHPn model	<b>802.11b/g:</b> 32dBm @ 1-11/6Mbps to 29dBm @ 54 Mbps <b>802.11n:</b> 32dBm @ MCS0 to 28dBm @ MCS7
	9HPn model	<b>802.11b/g:</b> 27dBm @ 1-11/6Mbps to 24dBm @ 54 Mbps <b>802.11n:</b> 27dBm @ MCS0 to 23dBm @ MCS7