THE 4011 SERIES

FUEL YOUR NETWORK



The RB4011 uses the amazingly powerful quad core Cortex A15 chip from Annapurna labs, an Amazon company, same as in our carrier grade RB1100AHx4 unit. The CPU supports IPsec hardware acceleration, there is 1GB of RAM, so this device will easily handle any task you have configured RouterOS to perform. All of this power, in a compact and professional looking solid metal enclosure in matte black.

1.4GHZ CPU

X4 QUAD CORE ARM

IPSEC ACCELERATED

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RB4011iGS+RM

In addition to the ten 1 Gbps ethernet ports, an SFP+ port provides optional 10 Gbps connectivity through an SFP+ module (not included). All of this power, in a compact and professional looking solid metal enclosure in matte black.

The ethernet model includes two rackmount ears, that will securely fasten the unit in standard 1U rack space.

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Specifications

Product code	RB4011iGS+RM
CPU	4 core AL21400 1.4 GHz
Size of RAM	1 GB
Storage	NAND 512 MB
10/100/1000 Ethernet ports	10
SFP+ port	1
Switch chip model	RTL8367SB
Power Jack	1
PoE in	Yes (port 1), passive, 18 - 57 V
PoE out	Yes (port 10), passive, up to 57 V
Max power consumption	18 W without PoE out, 33 W with PoE out
Supported input voltage	12 V - 57 V (jack)
Voltage Monitor	Yes
PCB temperature monitor	Yes
Operating temperature	-40 C .. +45 C
Dimensions	228 x 120 x 30 mm
Serial port	RJ45
License level	5
Operating System	RouterOS

Included



24 V 1.5 A
power adapter



Rack mount

Ethernet test results

RB4011iGS+RM		Max possible throughput					
Mode	Configuration	1518 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	806.4	9,792.9	2,312.9	9,473.6	5,509.7	2,821.0
Bridging	25 bridge filter rules	806.4	9,792.9	1,037.4	4,249.2	1,153.2	590.4
Routing	none (fast path)	806.4	9,792.9	1,923.3	7,877.8	5092,3	2,607.3
Routing	25 simple queues	806.4	9,792.9	1,046.6	4,286.9	960.3	491.7
Routing	25 ip filter rules	593.7	7,209.9	625.2	2,560.8	564.6	289.1

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IPsec test results

RB4011iGS+RM		RB4011iGS+RM IPsec throughput					
Mode	Configuration	1400 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Single tunnel	AES-128-CBC + SHA1	122.0	1366.4	124.9	511.6	127.0	65.0
256 tunnels	AES-128-CBC + SHA1	192.7	2158.2	200.5	821.2	203.4	104.1
256 tunnels	AES-128-CBC + SHA256	192.4	2154.9	200.5	821.2	203.4	104.1
256 tunnels	AES-256-CBC + SHA1	180.0	2016.0	188.2	770.9	190.3	97.4
256 tunnels	AES-256-CBC + SHA256	180.0	2016.0	188.2	770.9	190.3	97.4
256 tunnels	AES-128-GCM	192.7	2158.2	202.2	828.2	203.4	104.1



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