More info

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- RouterOS software manual

Related products

S-85DLC05D
$22.00

S-31DLC20D
$29.00

S-3553LC20D
$79.00

S+85DLC03D
$59.00

S+31DLC10D
$149.00

SFP+ 1m direct attach cable
$29.00

SFP+ 3m direct attach cable
$39.00

S-RJ01
$29.00

S+2332LC10D
$349

CCR1009-7G-1C-1S+PC

The new updated revision of CCR1009 is here. We attempted to combine all the customer feedback and best practice in CCR device manufacturing that we learned over the last three years, since the first CCR1009 devices were launched.

Important changes

No switch-chip - the device now features only fully independent Ethernet ports each with a direct connection to the CPU, allowing to overcome previous shared 1Gbit limitation from switch-chip ports and utilize full potential of CPU processing power on those ports.

Combo-port - a single 1Gbit software interface that has two hardware interfaces - a SFP cage and a Gigabit Ethernet port, allowing you to use any type of connection available to you. Port also allows to switch from one to another interface from software, or in event of disconnect, providing new, unique hardware fail-over feature.

100Mbps SFP support - this is our first device that supports 100BASE-LX/100BASE-SX/100BASE-BX fiber modules, as well as standard 1.25G SFP modules.

More throughput - due to how ports are connected to CPU, new CCR1009 models can achieve higher theoretical throughput.

This unit is equipped with passive cooling enclosure, two heat-pipes and a specially designed heat-sink, so its completely silent. It's powered by an external 24v 2.5A AC/DC adapter and supports power redundancy if you also power it from the PoE input port.

Unit also includes a LCD touchscreen, smart card slot, microSD and a SFP+ port for 10G connections.

Product specifications

Details	
Product code	CCR1009-7G-1C-1S+PC
CPU nominal frequency	1 GHz
CPU core count	9
Size of RAM	2 GB
10/100/1000 Ethernet ports	7
Number of USB ports	1
Power Jack	1
Supported input voltage	14 V - 57 V
PoE in	Yes
Voltage Monitor	Yes
CPU temperature monitor	Yes
PCB temperature monitor	Yes
Dimensions	272x190x47mm
Operating System	RouterOS
License level	6
Current Monitor	Yes
CPU	TLR4-00980CH-10CE-A3b
Max Power consumption	33W
SFP+ ports	1
USB slot type	microUSB type AB
USB Power Reset	Yes
Serial port	RS232
Storage type	NAND
Storage size	128 MB
CPU Threads count	9
Suggested price	$495

Included parts

IEC cord

24V 2.5A power adapter

USB OTG cable

Ears

Ethernet test results

CCR1009-7G-1C-1S+PC		Tile 9 core all port test 1GHz with combo-port and SFP+					
Mode	Configuration	1518 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	1,300.4	15,792.1	3,759.4	15,398.5	14,874.0	7,615.5
Bridging	25 bridge filter rules	1,100.4	13,363.3	1,183.8	4,848.8	1,184.0	606.2
Routing	none (fast path)	1,300.4	15,792.1	3,759.4	15,398.5	14,581.0	7,465.5
Routing	25 simple queues	1,300.4	15,792.1	1,686.0	7,175.6	1,699.6	1,142.1
Routing	25 ip filter rules	615.8	7,478.3	660.9	2,812.8	668.3	449.1

1. All tests are done with Xena Networks specialized test equipment (XenaBay),and done according to RFC2544 (Xena2544)
2. Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1518 byte packet sizes
3. Values in Italic indicate that max throughput was reached without maxing out CPU, but because board interface configuration was maxed out
4. Test results show device maximum performance, and are reached using mentioned hardware and software configuration, different configurations most likely will result in lower results