



# CCR2004-16G-2S+PC

Up to 300% faster than the previous CCR1009 routers - in a blissful silence!

Luxury you deserve for the price you can afford.



**The PASSIVE  
COOLED version:**  
*perfect for offices, studios or  
any other quiet environments!*



16X GIGABIT  
ETHERNET PORTS



2X 10G  
SFP+ CAGES

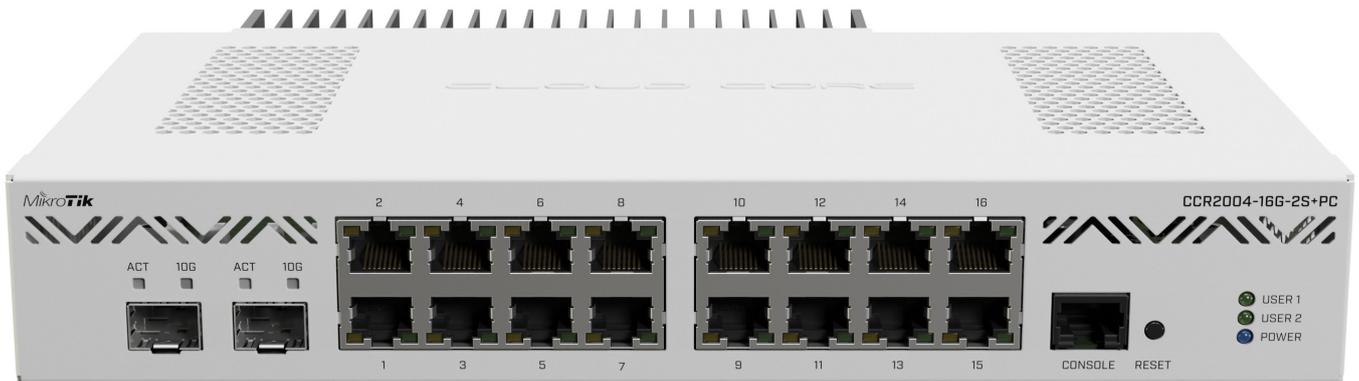


POWERFUL  
QUAD-CORE CPU



RJ-45  
CONSOLE PORT

Like the other models in CCR2004 series, this CCR also features the Amazon Annapurna Labs Alpine v2 CPU with **4x 64-bit ARMv8-A Cortex-A57 cores**. While this CPU is running at 1.2 GHz, the router can be 3x as fast than the previous generation CCR's. **This is the silent powerhouse. Enjoy all the power of a real CCR in peace and quiet. Get rid of all the hum and buzz in your office, studio, server room or homelab without sacrificing the performance!**



The new router has 18 wired ports, including 16x Gigabit Ethernet ports and two 10G SFP+ cages. It also has a RJ-45 console port on the front panel.

Each group of 8 Gigabit Ethernet ports is connected to a separate Marvell Amethyst family switch-chip. Each switch chip has a 10 Gbps full-duplex line connected to the CPU. The same goes for each SFP+ cage - a separate 10 Gbps full-duplex line. Boards come with 4GB of DDR4 RAM and 128MB of NAND storage.



So as you can see - no bottlenecks. As long as the CPU can handle the processing, all ports can reach wire speed. And this CPU is a beast that can handle a lot. If we look at the performance, you can see that it is trading blows with our CCR1009.

#### CCR2004-16G-2S+PC

		1518 byte	
Mode	Configuration	kpps	Mbps
Bridging	none (fast path)	<b>2653.3</b>	<b>32221.5</b>
Bridging	25 bridge filter rules	<b>1645.2</b>	<b>19979.5</b>

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

		1518 byte	
Mode	Configuration	kpps	Mbps
Bridging	none (fast path)	<b>1300.4</b>	<b>15792.1</b>
Bridging	25 bridge filter rules	<b>1100.4</b>	<b>13363.3</b>

#### CCR1009-7G-1C-PC

		1518 byte	
Mode	Configuration	kpps	Mbps
Bridging	none (fast path)	<b>652.8</b>	<b>7927.6</b>
Bridging	25 bridge filter rules	<b>649.6</b>	<b>7888.7</b>

Performance increase up to **300%**  
compared to the previous models!

The best part? This brand new CCR is among the most affordable options out there - not only within the CCR series, but on the market in general.

One of the most common ways to use this device would be: Gigabit Ethernet ports for the internal network; SFP+ ports for downlink and uplink. The perfect all-in-one solution for small and medium-sized businesses. Easy and efficient.

*With the new CCR2004, you can take your office network to the next level. Without breaking the bank.*

## • Specifications

Product code	CCR2004-16G-2S+PC
CPU	AL32400 1.2 GHz
CPU architecture	ARM 64bit
CPU core count	4
Size of RAM	4 GB
RAM type	DDR4
Storage	128 MB, NAND
Number of 1G Ethernet ports	16
Number of 10G SFP+ ports	2
Operating system	RouterOS v7, License level 6
Switch chip model	88E6191X
Number of Gbit ports in switch	8
Dimensions	272 x 195 x 44 mm
Operating temperature	-20°C to +60°C

## • Powering

Number of DC inputs	2
Supported input voltage	36-57 V (DC jack) 36-57 (2-pin terminal)
Power adapter nominal voltage	48 V
Power adapter nominal current	0.9 A
Max power consumption (without attachments)	30 W
Max power consumption	36 W

## • Certification & Approvals

Certification	CE, FCC, IC
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## • Included parts



48 V 0.95 A  
power adapter



Rackmount  
bracket



Fastening  
set