MIKROTIK

CCR2004-16G-2S+PC

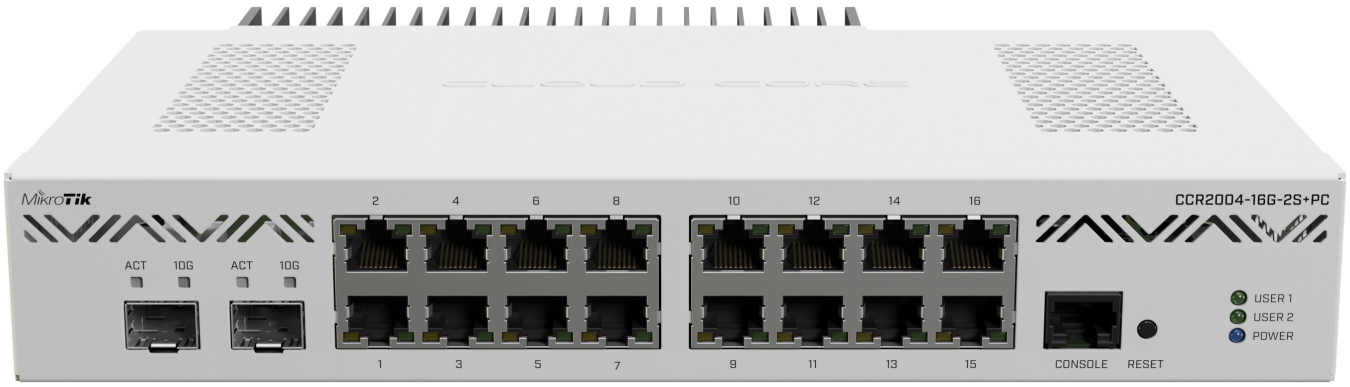
Up to 300% faster than the previous
CCR1009 routers - in a blissful silence!

Luxury you deserve for the price you can afford.



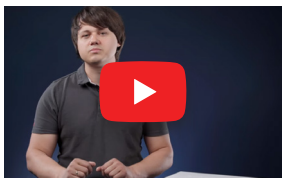
16X GIGABIT ETHERNET PORTS	2X 10G SFP+ CAGES	POWERFUL QUAD-CORE CPU	RJ-45 CONSOLE PORT

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!**

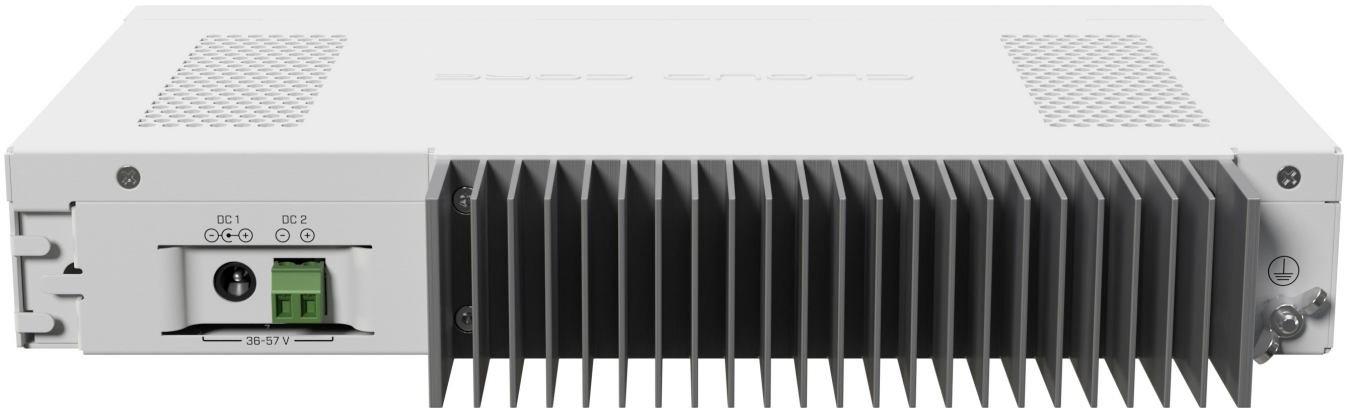


The new router has 18 wired ports, including 16x Gigabit Ethernet ports and two 10G SFP+ cages. It also has a RJ-45 console port on the front panel.

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.



This router supports a wide input voltage range, including 48v DC power - perfect for all your telecom setups!



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

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

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

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

CCR1009-7G-1C-PC

Mode	Configuration	1518 byte kpps	1518 byte Mbps
Bridging	none (fast path)	652.8	7,927.6
Bridging	25 bridge filter rules	649.6	7,888.7

*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

Included parts



48 V 0.95 A power adapter



Rackmount bracket



Fastening set