

Cloud Core Router / 16 Puertos Gigabit / 2 SFP+ 10G / CPU 4 Núcleos 1.7 GHz / 4 GB DDR4 / Dual PSU

SKU: CCR2004-16G-2S+ Marca: MIKROTIK Categoría: Routers, Firewalls, Balanceadores

Garantía: 3 años

$14,226.82

Precios con IVA incluido

DESCRIPCIÓN

Cloud Core Router de Alto Rendimiento

Este Cloud Core Router integra la CPU Annapurna Labs Alpine V2 con 4 núcleos ARMv8-A Cortex-A57 de 64 bits operando a 1.7 GHz, superando a todos los modelos CCR anteriores en rendimiento de un solo núcleo. Esta capacidad resulta crítica para operaciones intensivas basadas en procesamiento por conexión, como la gestión avanzada de colas y políticas de tráfico. Además, ofrece el mejor rendimiento por vatio tanto en operaciones de un solo núcleo como en rendimiento general dentro de toda la serie CCR. La arquitectura de 18 puertos combina conectividad Gigabit masiva con enlaces de alta velocidad SFP+ para escenarios de red exigentes.

Equipado con refrigeración activa y doble fuente de alimentación redundante, este dispositivo garantiza operación continua en entornos críticos de infraestructura de red. La memoria DDR4 de 4 GB y el almacenamiento NAND de 128 MB proporcionan recursos suficientes para configuraciones complejas y tablas de enrutamiento extensas.

Características Principales

Rendimiento líder en un solo núcleo para operaciones intensivas por conexión

18 puertos totales: 16 Gigabit Ethernet y 2 SFP+ 10G funcionando de forma independiente

Mejor eficiencia energética por vatio en toda la serie de dispositivos CCR

2 fuentes de alimentación redundantes para máxima disponibilidad

Sistema de refrigeración activa para estabilidad térmica en carga continua

4 GB de RAM DDR4 y 128 MB de almacenamiento NAND integrado

Especificaciones Técnicas

Procesador

Annapurna Labs Alpine V2

Arquitectura CPU

ARMv8-A Cortex-A57 64-bit

Núcleos / Frecuencia

4 núcleos a 1.7 GHz

Memoria RAM

4 GB DDR4

Almacenamiento

128 MB NAND

Puertos Ethernet

16 x Gigabit Ethernet

Puertos SFP+

2 x 10G (independientes)

Alimentación

2 x PSU redundantes

Refrigeración

Activa (ventiladores)

Total de Puertos

18 puertos

ESPECIFICACIONES

Característica 1	**Rendimiento líder en un solo núcleo para operaciones intensivas**
Característica 2	**18 puertos: 16 Gigabit Ethernet y 2 SFP+ 10G independientes**
Característica 3	**Mejor eficiencia energética por vatio en serie CCR**
Característica 4	**Doble fuente de alimentación redundante incluida**
Característica 5	**Refrigeración activa para operación continua estable**
Característica 6	**4 GB RAM DDR4 con almacenamiento NAND de 128 MB**

MEMORIA TÉCNICA · CCR2004-16G-2S+

Número de parte de esta ficha: CCR2004-16G-2S+. La información corresponde a esta variante.

CCR2004-16G-2S+
This powerful and affordable router crushes all
previous CCR models in single-core performance.
Luxury you deserve for the price you can afford.
Best single-core performance in the CCR family
Built-in dual redundant power supplies
16x Gigabit Ethernet ports 2x 10G SFP+ cages RJ-45 console port
- 2CCR2004-16G-2S+
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 running at 1,7GHz. But
here's the difference. This powerful router crushes all previous CCR models in single-core
performance, and that is the most important aspect when it comes to heavy operations
based on per-connection processing. Like queues, for example.
But that's not all! It also has the best single-core performance per watt and best overall

performance per watt among all the CCR devices. Better for the planet, better for the bills, it’s a win-win!

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.

Like all CCR devices, it comes in a classic white 1U rackmount case. Built-in dual redundant power supplies are included, so you have one less thing to worry about. And, of course, there is active cooling to keep things nice and cool.

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.

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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.

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. Even surpassing it in CPU-heavy configurations! And if that wasn’t enough – it can even reach the performance of CCR1016.

- 4CCR2004-16G-2S+

Certification CE, FCC, IC

Certification & Approvals

Number of AC inputs 2

AC input range 100-240 V

Max power consumption (without attachments) 35 W

Max power consumption 48 W

Powering

Specifications

Product code CCR2004-16G-2S+

CPU AL32400 1.7 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 only

Switch chip model 88E6191X, 88E619X

Dimensions 443 x 210 x 44 mm

Operating temperature -20°C to +60°C

Included parts

2 Power
cords

Rackmount
bracket white

Fastening
set