

Switch 400 Gigabit / 4 Puertos QSFP-DD / 400G/200G/100G/50G/40G / 2 Puertos 1G/10G / Fuentes Hot-Swap / 1U Compacto

SKU: CRS804-4DDQ-HRM Marca: MIKROTIK Categoría: Switches

Garantía: 1 año

$37,206.14

Precios con IVA incluido

DESCRIPCIÓN

El CRS804-4DDQ-HRM es un switch compacto de 400 Gigabit diseñado específicamente para clusters de IA, tejidos de almacenamiento all-flash y agregación de alta velocidad. Con cuatro puertos QSFP-DD que soportan velocidades de 400G/200G/100G/50G/40G mediante breakout flexible, y dos puertos Ethernet 1G/10G, ofrece densidad de ancho de banda excepcional en un factor de forma 1U silencioso y eficiente. Equipado con un chip de conmutación Marvell 98DX7335, CPU quad-core ARM de 2 GHz, 4 GB de RAM DDR4 y RouterOS v7, proporciona rendimiento de velocidad de línea completo con latencia predecible y control avanzado de tráfico. Su consumo máximo de 123 W con ópticas instaladas y fuentes redundantes intercambiables en caliente garantizan disponibilidad continua en entornos críticos.

Características Generales
• 4 puertos QSFP-DD 400G con breakout flexible (400G/200G/100G/50G/40G)
• 2 puertos Ethernet 1G/10G
• Chip de conmutación Marvell 98DX7335
• CPU quad-core ARM de 2 GHz
• 4 GB de RAM DDR4
• RouterOS v7 con licencia nivel 6 integrada
• Fuentes redundantes intercambiables en caliente (hot-swap)
• Formato 1U compacto para espacios limitados
• Consumo máximo de 123 W con ópticas instaladas

Desempeño
Conmutación a velocidad de línea
Latencia predecible
Control avanzado de tráfico
Breakout multi-velocidad en puertos QSFP-DD

Físicas y Eléctricas
Factor de forma: 1U compacto
Consumo máximo: 123 W (con ópticas)
Fuentes de alimentación: Redundantes, hot-swap
Diseño silencioso y eficiente

Contenido del Paquete
Switch CRS804-4DDQ-HRM
Fuentes de alimentación redundantes
Kit de montaje en rack 1U

ESPECIFICACIONES

Característica 1	**Conmutación a velocidad de línea con chip Marvell 98DX7335**
Característica 2	**CPU quad-core ARM 2 GHz y 4 GB DDR4 para control avanzado de tráfico**
Característica 3	**Breakout flexible en puertos QSFP-DD para múltiples configuraciones de velocidad**
Característica 4	**Fuentes redundantes intercambiables en caliente sin interrupción de servicio**
Característica 5	**RouterOS v7 con licencia nivel 6 integrada para gestión empresarial**
Característica 6	**Consumo controlado de 123 W con ópticas instaladas para eficiencia energética**

MEMORIA TÉCNICA · CRS804-4DDQ-HRM

Número de parte de esta ficha: CRS804-4DDQ-HRM. La información corresponde a esta variante.

1CRS804-4DDQ-hRM
CRS804 DDQ
Compact 400G switching for AI clusters, storage fabrics, and lightning fast
aggregation – for the best price on the ultra high-speed market.
CRS804 DDQ is the practical and cost-effective approach to
400 Gigabit speeds, AI, and future-proofing.
2x 1G//10G
Reach wire-speed on all ports with
the mighty Marvell switch-chip!
RouterOS v72x hot-swap
cooling fans
Dual-redundant
hot-swap power
supplies
Quad-core
2 GHz ARM CPU
4 GB of RAM
4x 400G/40G/
50G/100G/200G
- 2CRS804-4DDQ-hRM
A perfect building block for small to
medium AI installations. It delivers
predictable, low-latency performance
and full wire-speed switching,
keeping GPU nodes and storage
traffic flowing without bottlenecks.
The compact design and low power
usage make it suitable for AI labs,
research environments, and smaller
rack deployments.

AI and GPU clusters
Where does it fit
The CRS804 DDQ can act as a high speed core or aggregation switch even in older racks. Each 400G QSFP-DD port is built from eight independent data lanes. This enables flexible breakout options, including two 200G links for AI workloads or lower-speed connections such as 100G or 40G. You can deploy the CRS804 DDQ in your existing network today and upgrade to higher speeds over time without replacing the switch. With the right breakout cables, the CRS804 DDQ can interconnect virtually any device with SFP or QSFP ports, regardless of generation.
Future proofing for existing networks
Use native 400G ports for fast storage uplinks or split them into dual 200G links. Ideal for media production, scientific workloads, and any environment where rapid data movement is essential.
All-flash storage fabrics
Create a powerful spine or backbone fabric using four 400G ports. Perfect for small datacenters, enterprise pods, edge compute installations, and environments where traditional 400G equipment would be too loud, too large, or too expensive.
Compact 400G fabrics in limited rack space
Check out our YouTube and TikTube videos for this product!
Inside, a Marvell 98DX7335 switch chip works together with a hefty quad-core 2.0 GHz ARM CPU, 4 GB of DDR4 RAM, and RouterOS v7. This provides advanced traffic control, high performance switching, and a familiar management environment trusted by users worldwide.
The CRS804 DDQ is a compact and reliable 400 Gigabit switch designed for modern AI workloads and next-generation network upgrades. With four 400G QSFP-DD ports and dual 1/10G Ethernet, it delivers exceptional bandwidth density in a quiet and efficient 1U form factor.
The CRS804 DDQ is designed for long-term reliability and low cost of ownership, supported by hot-swap power supplies (included!), robust cooling, and low power consumption that reaches only 123 W at full load with optics installed.
- 3CRS804-4DDQ-hRM
With CRS804, 400 Gigabits is no longer out of reach – it’s an affordable way to launch your network into the future, while keeping your existing gear in the loop!
2x
1G/10G
Ethernet ports
4x
40G/50G/100G/200G/
400G QSFP-DD ports *
CRS804 interface speed support:
* QSFP-DD ports also support break-out modes to 1G/2.5G/5G/10G/25G/50G
We have included the RMK-2x10/19 accessory, so you can mount two CRS804 switches in a single 1U slot of a standard 19-inch rack.
400G DAC, 1 m
DDQ+DA0001
400G DAC, 3 m
DDQ+DA00031
400G 100 m optical transceiver
DDQ+85MP01D
48V DC telecom-IN
hot-swap power supply
MT-HotSwapFan-V2 G1394-0350WNA
AccessoriesAlongside CRS804, we’re introducing a set of ready-to-go 400G accessories:
- 4CRS804-4DDQ-hRM
Product code CRS804-4DDQ-hRM
CPU Quad-Core AL52400 2000 MHz
CPU architecture ARM 64bit
Size of RAM 4 GB
RAM type DDR4
Storage 512 MB, NAND
Number of 1G/2.5G/5G/10G Ethernet ports 2
Number of 400G QSFP56-DD ports 4
Switch chip model 98DX7335
Operating system RouterOS v7, License level 6
Operating temparature -10°C to +60°C
Specifications
Number of AC inputs 2
AC input range 100-240 V
Power adapter nominal voltage 12 V
Power adapter nominal current 27.5 A
Max power consumption (without attachments)92 W
Max power consumption 123 W
Powering
Included parts
2 Power cords Rackmount bracket Rackmount rear support ears
Rackmount bracket Fastening set
RMK-2x10/19