

Switch PoE / 48 Puertos Gigabit 802.3af/at / 4 SFP+ 10G / 2 QSFP+ 40G / 1U Rack / 800W / 168Gbps / 235Mpps

SKU: CRS354-48P-4S+2Q+RM Marca: MIKROTIK Categoría: Switches

Garantía: 3 años

$29,921.42

Precios con IVA incluido

DESCRIPCIÓN

El CRS354-48P-4S+2Q+RM es un switch de nivel profesional diseñado para administradores de red que requieren alimentación PoE masiva y conectividad de alta velocidad en un solo dispositivo. Con 48 puertos Gigabit con PoE 802.3af/at, elimina la necesidad de inyectores externos y simplifica la infraestructura de cableado. Los puertos SFP+ y QSFP+ permiten construir backbones de 10G y 40G para interconectar servidores, switches core o almacenamiento. La gestión mediante RouterOS ofrece control granular del tráfico, VLANs, QoS y routing, todo en una unidad de rack 1U con gestión de cables integrada.
Características principales
48 puertos RJ45 10/100/1000 Mbps con PoE 802.3af/at
4 puertos SFP+ de 10 Gbps para fibra óptica
2 puertos QSFP+ de 40 Gbps para enlaces de ultra alta velocidad
Fuente de alimentación de 800W (750W disponibles para PoE)
Sistema operativo RouterOS con licencia nivel 5
Capacidad de switching no bloqueante: 168 Gbps / 235 Mpps
Formato rack 1U con soporte de gestión de cables
Especificaciones técnicas
Conectividad
48× RJ45 10/100/1000 Mbps
4× SFP+ 10 Gbps
2× QSFP+ 40 Gbps

PoE
Estándar: 802.3af/at
Potencia total: 750W
Fuente de alimentación: 800W

Rendimiento
Capacidad de switching: 168 Gbps
Tasa de reenvío: 235 Mpps
Arquitectura no bloqueante

Software
RouterOS
Licencia nivel 5
Gestión avanzada L3

Físico
Formato: Rack 1U
Soporte de gestión de cables integrado
Montaje en bastidor estándar 19'

ESPECIFICACIONES

Característica 1	**48 puertos RJ45 Gigabit con PoE 802.3af/at para alimentación integral**
Característica 2	**4 puertos SFP+ 10G y 2 QSFP+ 40G para backbone de alta velocidad**
Característica 3	**Fuente de 800W con 750W dedicados a dispositivos PoE**
Característica 4	**RouterOS con licencia nivel 5 para gestión avanzada**
Característica 5	**Rendimiento no bloqueante de 168 Gbps y 235 Mpps**
Característica 6	**Diseño 1U rack con soporte integrado de gestión de cables**

MEMORIA TÉCNICA · CRS354-48P-4S+2Q+RM

Número de parte de esta ficha: CRS354-48P-4S+2Q+RM. La información corresponde a esta variante.

CRS354-48P-4S+2Q+RM
Power all your devices while having the strongest performance – this 48 port
PoE+ switch will rock any setup, including 40 Gbps devices!
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CRS354-48P-4S+2Q+RM
CRS354-48P-4S+2Q+RM
If you are looking for a single switch that will put your network setup ahead of the curve and power all the necessary devices – look no further! The new CRS354-48P-4S+2Q+RM is an effective and adaptable rackmount solution for managing networks in the most demanding environments. Unlike many other switches out there, our products are made with the system administrator in mind.
This powerful switch has 48 x 1G RJ45 ports and 4 x 10G SFP+ ports. There are also 2 x 40G QSFP+ ports for extremely fast fiber connections or linking with other 40 Gbps devices. All 48 Ethernet ports offer different power output options: Passive PoE, low voltage PoE, 802.3af/at (Type 1 “PoE” / Type 2 “PoE+”) with auto-sensing, making this switch the easiest solution to power even the largest setups.
We have included a mighty power supply that can provide 750 W of power – this switch can handle a lot. And there is a special bracket for easy cable management.
High-end performance with PoE-out for the masses:
more 10G ports and even 40G ports, because speed matters
CRS354-48P-4S+2Q+RM is extremely functional, and it has the best price-point on the market – it will make the perfect addition to a professional setup.
The total non-blocking throughput is 168 Gbps, switching capacity is 336 Gbps and the forwarding rate reaches 235 Mpps.
The 48 port champion you’ve been waiting for – this is
the bargain of the decade! Now with PoE-out!

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Product code CRS354-48P-4S+2Q+RM
CPU QCA9531, 650 MHz
Size of RAM 64 MB
Storage 16 MB flash
Number of 100 Mbps Ethernet ports1
Number of 1 GbE Ethernet ports 48
10G SFP+ ports 4
40G QSFP+ ports 2
Operating system RouterOS (License level 5)
Supported input voltage AC power supply 100 - 240 V
Serial port RJ45
Dimensions 443 x 382 x 44 mm
Operating temperature -20°C to +60°C
Specifications
CRS354-48P-4S+2Q+RM
PoE-out IEEE 802.3at/af and 26 or 53 V Passive PoE
PoE-out ports Ether1 - Ether48
PoE-out max per port (low voltage 26 V)26 W
PoE-out max per port (high voltage 53 V)30 W
Max total out (low voltage 26 V) 27 A
Max total out (high voltage 53 V) 13.2 A
Max power consumption 800 W
Max power consumption without attachments85 W
Powering
Included parts
1 IEC cord K-68 screw kit Rackmount earsCable managment
brackets
Rackmount rear support
ears
CRS354-48P-4S+2Q+RM
- 4
QCA9531 CRS354-48P-4S+2Q+RM RouterOS v6.45.7
Mode Configuration
1518 byte 512 byte 64 byte
kpps Gbps kpps Gbps kpps Gbps
Switching
Non blocking Layer
2 throughput
13329 161,867 38533,8 157,834 235114,7 120,379
Switching
Non blocking Layer
2 capacity
13329 323,735 38533,8 315,669 235114,7 240,758
Switching
Non blocking Layer 1
throughput
13329 168 38533,8 168 235114,7 120,379
Switching
Non blocking Layer 1
capacity
13329 336 38533,8 336 235114,7 240,758
Switching test results
Like other CRS products, CRS354-48P-4S+2Q+RM comes with a decent built-in CPU, that can utilize all RouterOS features, but with some performance restrictions (indicated in table below).
CPU Layer 3 performance results
CRS354-48P-4S+2Q+RM
CRS354-48P-4S+2Q+RM
QCA9531 CRS354-48P-4S+2Q+RM RouterOS v6.45.7
Mode Configuration
1518 byte 512 byte 64 byte
kpps Mbps kpps Mbps kpps Mbps
Bridging none (fast path) 34,9 423,8 58,5 239,6 119,8 61,3
Bridging 25 bridge filter rules26,5 321,8 42,9 175,7 44,9 23
Routing none (fast path) 35,4 429,9 61,8 253,1 116,8 59,8
Routing 25 simple queues 33,7 409,3 46,8 191,7 57,5 29,4
Routing 25 ip filter rules23,7 287,8 30,1 123,3 31,4 16,1