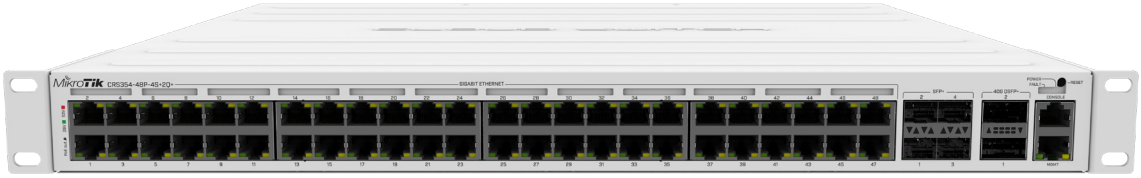


CRS354-48P-4S+2Q+RM

Power all your devices while having the strongest performance – this 48 port PoE+ switch will rock any setup, including 40 Gbps devices!

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.



High-end performance with PoE-out for the masses: more 10G ports and even 40G ports, because **speed matters**

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.



The 48 port champion you’ve been waiting for – this is the bargain of the decade! Now with PoE-out!

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.

Specifications

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 ports	1
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

Powering

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 attachments	85 W

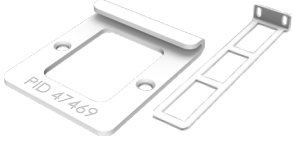
Included parts



1 IEC cord



K-68 screw kit



Rackmount rear support ears



Rackmount ears



Cable managment brackets

Switching test results

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

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

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 rules	26,5	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 rules	23,7	287,8	30,1	123,3	31,4	16,1