

CIS-CRS112-8p

Designed by integrators for integrators.

The CIS-CRS112-8P is an eight Gigabit RJ45 port PoE switch, that offers different power output options: autosensing 802.3af/at PoE/PoE+ and Passive PoE, and four SFP ports provide optical fiber connectivity options to support uplinks of up to 1 Gbps. There is secondary DC jack on the back of the enclosure that supports 48-57 V power supply (not included, can be purchased separately). CIS-CRS112-8P can power 802.3af/at devices if 48-57 V DC input is used (unit will automatically detect and provide correct power to devices). Max current is 1 A per port if input voltage is 18-28 V, 450 mA if 48-57 V. Total limit is 2.8A@24V and 1.4A@48-57V.

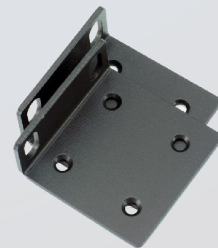
**The CIS-CRS112-8P is the perfect mid-range switch
For your networking needs.**



- 8 Gigabit RJ45 Ports
- 4 SFP Ports
- Maximum Power Consumption: 10 W (without PoE devices connected)
- Quiet, Fanless Operation
- Non-blocking layer 2 switching capacity
- 16K host table
- IEEE 802.1Q VLAN
- Supports up to 4k simultaneous VLANs
- Port isolation
- Port Security
- IGMP snooping

Included Accessories

- Rack ears (center-justified)
- 28V 3.4A power adapter



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Specifications

Product code	CRS112-8P
Architecture	MIPSBE
CPU	QCA8511
CPU Core count	1
CPU nominal frequency	400 MHz
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
Tested ambient temperature	-20 to +60C
UPC Code	711347442698

Powering

Max Power consumption	150W (10W without attachments)
PoE in	Passive PoE
PoE in input Voltage	18-57 V
Number of DC inputs	2 (DC jack, PoE in)
DC jack input Voltage	18-57 V

Ethernet

10/100/1000 Ethernet ports	8
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Fiber

SFP+ cages	4
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Peripherals

Serial port	RJ45
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Switching results

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Mode	Configuration	64		512 byte		1518	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Switching	Non blocking Layer 2 throughput	17,857.1	9,142.9	2,819.5	11,548.9	975.3	11,844.0
Switching	Non blocking Layer 2 capacity	17,857.1	18,285.7	2,819.5	23,097.7	975.3	23,687.9
Switching	Non blocking Layer 1 throughput	17,857.1	12,000.0	2,819.5	12,000.0	975.3	12,000.0
Switching	Non blocking Layer 1 capacity	17,857.1	24,000.0	2,819.5	24,000.0	975.3	24,000.0

1. All tests are done with Xena Networks specialized test equipment (XenaBay), and done according to RFC2544 (Xena2544)

2. Max throughput is determined with 30+ second attempts with 0,1% packet loss tolerance in 64, 512, 1518 byte packet sizes

3. Values in *italic* indicate that max throughput was reached without maxing out CPU, but because board interface configuration was maxed out

4. Test results show device maximum performance, and are reached using mentioned hardware and software configuration, different configurations most likely will result in lower results