

# CIS-CCR1009

## Designed by integrators for integrators.

Large homes or commercial applications, the CIS-CCR1009 is a powerhouse of a router ready for any of your network needs.

### More Throughput

All ports are connected to the CPU of the router, as a result the CIS-CCR1009 can achieve higher throughput!



- The device features only fully independent Ethernet ports each with a direct connection to the CPU, allowing to overcome previous shared 1Gbit limitation from switch-chip ports and utilize full potential of CPU processing power on those ports.
- A single 1Gbit software interface that has two hardware interfaces—a SFP cage and a Gigabit Ethernet port, allowing you to use any type of connection available to you. Port also allows to switch from one to another interface from software, or in event of disconnect, providing new, unique hardware fail-over feature.
- Supports 100BASE-LX/100BASE-SX/100BASE-BX fiber modules as well as standard 1.25G SFP modules.
- The CCR1009 is also equipped with dual power supplies built in for redundancy (if one power line fails, the other one will take over automatically).
- All CIS Routers are powered by an ever evolving operating system. Dynamic routing, hotspot, firewall, MPLS, VPN, advanced quality of service, load balancing and bonding, real-time configuration and monitoring are just a few of the vast number of features.

### Included Accessories

- Rack ears, 2x IEC power cord, USB Cable

# CIS-CCR1009

## Specifications

Product code	CIS-CCR1009
Architecture	TILE
CPU	TLR4-00980
CPU core count	9
CPU nominal frequency	1.2 GHz
Dimensions	444x175x47mm
Size of RAM	2 GB
Storage size	128 MB
Storage type	NAND
Tested ambient temperature	-20° C to 60° C
UPC Code	711347442674

## Powering

PoE in	Passive PoE
PoE out	802.3af/at
PoE in input Voltage	15V-57V
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	100-240V
Max Power consumption	39W

## Ethernet

10/100/1000 Ethernet ports	7
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## Fiber

SFP ports	1
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## Peripherals

Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB type AB
USB slot type	USB type AB

## Ethernet test results

CIS-CCR1009		TLR4-00980 (1.2GHz) all port test (Combo and SFP+)					
Mode	Configuration	1518 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	1,300.4	15,792.1	3,759.4	15,398.5	17,782.8	9,104.8
Bridging	25 bridge filter rules	1,244.4	15,112.0	1,395.3	5,715.1	1,368.1	700.5
Routing	none (fast path)	1,300.4	15,792.1	3,759.4	15,398.5	17,411.2	8,914.5
Routing	25 simple queues	1,300.4	15,792.1	1,925.6	8,195.4	1,977.0	1,328.5
Routing	25 ip filter rules	739.2	8,976.8	793.9	3,378.8	801.8	538.8

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