

Designed by Integrators for Integrators

Large homes or commercial applications, the CIS-80MKV router was built just for you! Created specifically with home automation integrators in mind, the feature set of the CIS-80MKV router is designed to minimize the amount of time spent configuring the network during your installs.



High Performance

Powered by a dual core 1.4 GHz processor and equipped with 1 GB of RAM, the CIS-80MKV is perfect for light commercial application. The 10 Gigabit LAN ports are divided into two switch groups to improve throughput.

The CIS Wi-Fi Manager

Manage all of your connected access points from a single intuitive interface. Easily view the connected devices, and change passwords and SSIDs globally from your CIS router! There is no limit to the number of access points the CIS-80MKV can manage and control.

Business Class VPN

Gain access to your automation systems, surveillance and other devices through a secure tunnel. Access and configure your client's systems from your home or office.

Designed for Home Automation Racks

The CIS-80MKV is housed in a robust, rack-mountable enclosure. Use the SFP port to connect to a CIS switch, or use the passive PoE provided on port 10 to power other network devices.

Limitless Configurations

Powered by an ever evolving operating system, CIS routers give you the flexibility you need for a variety of installations. Add a hotspot for a commercial space, implement a failover for redundant ISPs, or configure QoS for VoIP and other applications. Make use of advanced features such as dynamic routing protocols, MPLS, load balancing and more.

Specifications

Product code	CIS-80MKV
Architecture	ARM 32bit
CPU	IPQ-8064
CPU core count	2
CPU nominal frequency	1.4 GHz
Dimensions	11.5" X 3.5" X 1.75"
Size of RAM	1 GB
Storage size	128 MB
Storage type	NAND
Tested ambient temperature	-30 + 70 C
UPC Code	711347442667

Powering

Max Power consumption	10W
PoE in	Passive PoE
PoE out	Passive PoE
Input voltage	10-30 V
Number of DC inputs	2 (DC jack, PoE-IN)

Ethernet

10/100/1000 Ethernet ports	10
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Fiber

SFP ports	1
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Peripherals

Serial port	RJ45
Number of USB ports	1
USB Power Reset	Yes
USB slot type	USB 3.0 type A

Ethernet test results

CIS-80MKV		IPQ-8064 All port test					
Mode	Configuration	1518 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	325	3946.8	939.8	3849.4	1530.2	783.5
Bridging	25 bridge filter rules	325	3946.8	384.2	1573.7	348.6	178.5
Routing	none (fast path)	325	3946.8	939.8	3849.4	1437.6	739.1
Routing	25 simple queues	325	3946.8	419.6	1718.7	419.7	214.9
Routing	25 ip filter rules	202	2453.1	204.1	836	188.4	96.5

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