

Designed by Integrators for Integrators

Large homes or commercial applications, the CIS-80MK1 router was built just for you! Created specifically with home automation integrators in mind, the feature set of the CIS-80MK1 router is designed to minimize the amount of time spent configuring the network during your installs.



Built-in Wireless Networking

Use the included antennas to create a small-home network or combine it with other CIS access points to create the ideal wireless network setup for a range of spaces. The antennas come with a 6-foot cable, and can be attached to your home automation racks with the magnetic base.

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-80MK1 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-80MK1 is housed in a robust, rack-mountable enclosure. The five Gigabit Ethernet ports and five Fast Ethernet ports provide ample connectivity. 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-80MK1
Architecture	MIPSBE
CPU	AR9344
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	11.5" X 3.5" X 1.75"
Size of RAM	128 MB
Storage size	128 MB
Storage type	NAND
Tested ambient temperature	-35C to +65C
UPC Code	711347442650

Powering

PoE in	Passive PoE
PoE out	Passive PoE
Input voltage	8-30 V
Number of DC inputs	2 (PoE-IN, DC jack)

Ethernet

10/100 Ethernet ports	5
10/100/1000 Ethernet ports	5

Fiber

SFP ports	1
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Peripherals

Serial port	RJ45
USB Ports	1 – microUSB type AB
USB Power Reset	Yes
Max USB current (A)	2

Ethernet test results

CSI-80MK1		AR9344 1G&100M all port test					
Mode	Configuration	1518 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	122	1481.6	232	950.3	269.6	138
Bridging	25 bridge filter rules	83.6	1015.2	86	352.3	87.6	44.9
Routing	none (fast path)	122	1481.6	210	860.2	226.9	116.2
Routing	25 simple queues	100.5	1220.5	103.9	425.6	106.6	54.6
Routing	25 ip filter rules	56.8	689.8	59.6	244.1	60.5	31

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