CIS–NW-POE4

Designed by Integrators for Integrators

Large homes or commercial applications, the CIS-NW-POE4 router was built just for you! Created specifically with home automation integrators in mind, the feature set of the CIS-NW-POE4 router is designed to minimize the amount of time spent configuring the network during your installs.

PoE Built-in

Simplify your installations by connecting PoE devices directly to your router. Power your access points, switches, IP cameras, and other devices without additional PoE injectors or other solutions. If you need more power for your devices, an optional 48v power supply can expand the capabilities of the router.

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-NW-POE4 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-NW-POE4 is housed in a robust, rack-mountable enclosure. Need more ports? The CIS QuickConnect allows you to bolt on a CIS Switch into the same 1U space! Use the SFP port to create a fiber link between the two 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.

Custom Integration Solutions

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CIS-NW-POE4

Specifications

Product code	CIS-NW-POE
Architecture	MIPSBE
CPU	QCA9557
CPU core count	1
CPU nominal frequency	800 MHz
Dimensions	7" X 6" X 1.75"
Size of RAM	128 MB
Storage size	16 MB
Storage type	FLASH
Tested ambient temperature	-40 + 70 C
UPC Code	711347442643
Powering	
PoE in	Passive PoE
PoE out	802.3af/at
Input Voltage	12-57 V
Number of DC inputs	2 (DC jack, PoE-IN)
Max Power consumption	9W
Ethernet	
10/100/1000 Ethernet ports	5
Fiber	
SFP ports	1
Peripherals	
USB ports	1 - USB type A
USB Power Reset	Yes

Ethernet test results

CIS-NW-POE		QCA9557 (800Mhz) 1G all port test					
Mode	Configuration	1518 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	161.9	1966.1	401.5	1644.5	542.3	277.7
Bridging	25 bridge filter rules	143.2	1739	145.5	596	146.2	74.9
Routing	none (fast path)	161.9	1966.1	396.3	1623.2	521.7	267.1
Routing	25 simple queues	161.9	1966.1	889.7	889.7	216	110.6
Routing	25 ip filter rules	74.6	905.9	319.55	319.5	76.5	39.2

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