CIS-NW-POE4

Designed by integrators for integrators.

Large homes or commercial applications, the CIS Router with the Wi-Fi Manager was built just for you!

CIS Wi-Fi Manager

All CIS Router now have an integrated CIS Wireless Manager. From one intuitive interface get instant visibility on all connected devices, change passwords and SSIDs globally all from your CIS Router!

The powerful CIS-NW-POE router comes complete with a 48V 2 Amp power supply. This provides power to the 4 POE ports. Yes this is a POE router. Fibre out and rack ears put this small but powerful device in a class of its own!

Need more ports? The CIS QuickConnect allows you to bolt on a CIS Switch into the same 1U space!

All CIS Routers now come with an integrated Wireless Manager. Connect as many CIS Access Points as necessary as now your CIS Router is a Wi-Fi Controller. No project is too big or small as there is no limitation to the number of access points this CIS Router can manage and control.

The CIS-NW-POE has been pre-configured for optimal use in home automation applications and includes the configuration for an L2TP/IPsec VPN. This business class VPN creates secure access to automation systems, surveillance and many other applications that run within a local network.

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 supported.

Powered by an 800 MHz CPU, has 128MB RAM, 4 POE Gigabit LAN ports, and SFP cage. Come directly from the SFP cage directly to your network switches for optimal connectivity.

The CIS-NW-POE can power 802.3af/at devices with the included 48V DC power supply. Unit provides max current 450mA for each port regardless device power class (doesn't support PoE powered device classification

Included Accessories
- 48Volt 2A power adaptor

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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
PoE in input Voltage	12-57 V
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	12-57 V
Max Power consumption	9W

Ethernet

10/100/1000 Ethernet ports	5

Fiber

SFP ports	1

Peripherals

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

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

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