![CIS Custom Integration Solutions logo]

CIS-NW-PoE4

Designed by Integrators for Integrators

Large homes or commercial applications, the CIS-NW-POE4 switch was built just for you!

Equipped with the same powerful processor as our CIS-NW-POE4 router, this compact yet robust switch is built to seamlessly support your expanding networking needs.

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 your connected access points from a single intuitive interface. Easily view the connected devices, change passwords and SSIDs globally from your CIS router! The CIS-NW-PoE4 offers unlimited capacity to manage and control Access Points, ensuring scalability and flexibility for network expansion.

Business Class VPN

Gain secure, remote access to your automation systems, surveillance, and other connected devices through an encrypted tunnel. Seamlessly manage and configure your clients' systems from the comfort of your home or office, ensuring convenience and security.

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

CIS-NW-PoE4, driven by a continuously evolving operating system, provides unmatched flexibility to support diverse installation needs. Whether adding a hotspot for a commercial space, implementing failover for redundant ISPs, or configuring QoS for VoIP and other critical applications, CIS routers deliver robust solutions. Take advantage of advanced capabilities, including dynamic routing protocols, MPLS, load balancing, and more, to optimize network performance and reliability.

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Specifications

Product Code	CIS-NW-PoE4
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°C to 70°C
UPC Code	711347442643

Powering

PoE in	Passive PoE
PoE Out	802.3af/at
Number of DC inputs	2 (DC jack, PoE-IN)
Input range	12-57 V
Max Power consumption	9W

Ethernet

10/100/1000 Ethernet ports	5

Fiber

SFP Port	1

Peripherals

Number of USB ports	1
USB Power Reset	Yes
USB Slot Type	USB Type A

Ethernet Test Results – CIS-NW-PoE4

Mode	Configuration	1518 Byte		512 Byte		64 Byte	
		Kbps	Mbps	Kbps	Mbps	Kbps	Mbps
Bridging	none (fast path)	161.9	1,966.1	401.5	1,644.5	542.3	277.7
Bridging	25 bridge filter rules	143.2	1,739.0	145.5	596.0	146.2	74.9
Routing	none (fast path)	161.9	1,966.1	396.3	1,623.2	521.7	267.1
Routing	25 simple queues	161.9	1,966.1	217.2	889.7	216.0	110.6
Routing	25 IP filter rules	74.6	905.9	78.0	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. 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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