

POEmax

Unique PoE-Powered Switch Eight-Port Ethernet Switch w/0-7 PoE Out



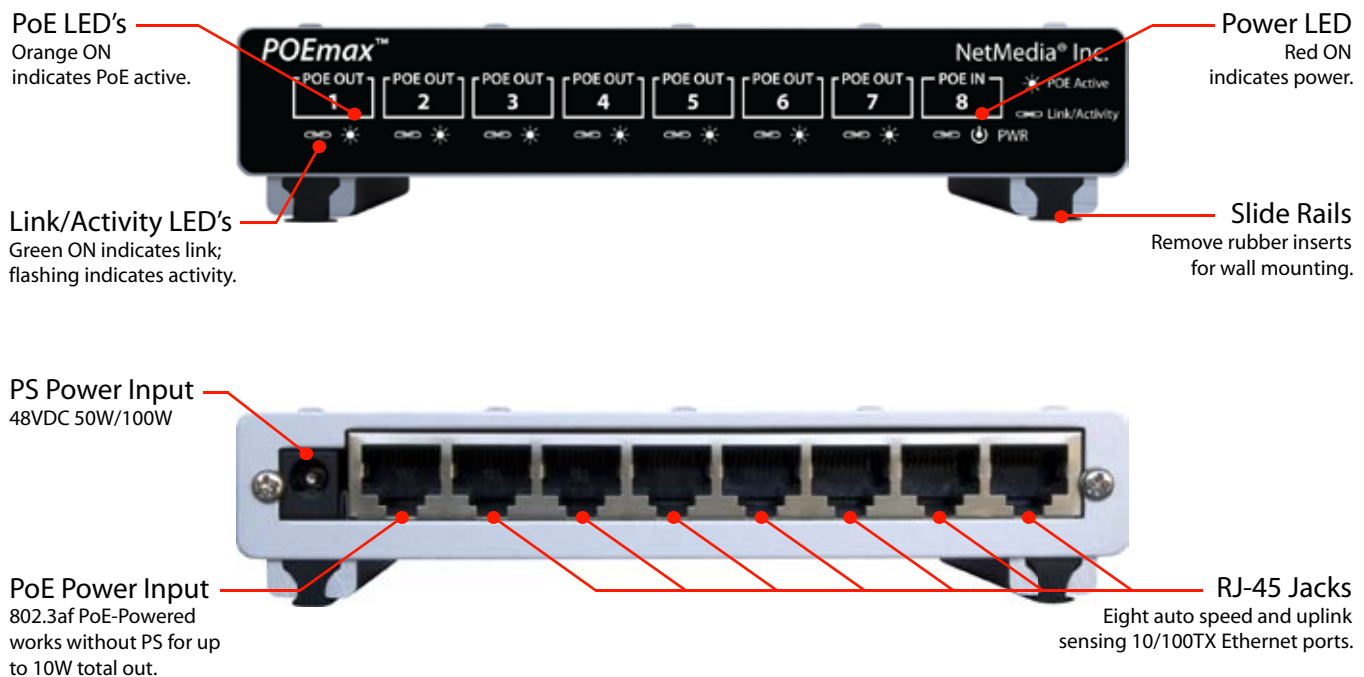
The NetMedia® POEmax™ Series eight-port network switches have up to seven Power over Ethernet (PoE) outputs. The number of PoE devices that they can run depend on the model, how much current each device requires, and on the power supply used for the POEmax. The 100 Watt (W) model supplies enough power for seven devices to draw the maximum load (13W each). The 50W models run four or seven devices in any combination that does not exceed a total of 47W. All POEmax models include a unique PoE-Powered capability so that PoE output models can redistribute up to 10W among the devices. From cubicles and ceilings to server and print rooms, POEmax's small size, flexibility and durability makes it perfect for IP cameras (iViewHD), VoIP phones, data extension, and standard TCP/IP home or office building infrastructure.

Product Includes:

1. POEmax Switch Assembly (8 RJ-45 Ethernet Ports w/ 1 PoE Input, 8 Link-Activity LED's, 1 Power LED, Power Input Jack, 2 Slide Rails w/Rubber Feet).
2. 48VDC Power Transformer (Center Conductor Positive); **IPS87100 Model:** 100W (2.5Amp); **IPS8450/8750 Models:** 50W (1Amp); **IPS8000/8400 Models:** None, PoE.

Power Supply (Not Shown)

Watts	POEmax Model
13W via PoE	IPS8000 & IPS8400
50W 48VDC	IPS8450 & IPS8750
100W 48VDC	IPS87100



FEATURES

Eight-port Power over Ethernet (PoE) switch
Up to seven PoE outputs and one PoE input
100 Watt model supports maximum PoE load
50 Watt model provides 47W PoE output
Unique PoE-Powered mode provides 10W PoE
PoE-Powered works with no local power outlet
Extends cable runs another 100M
802.3i, 802.3u, 802.3af compliant
Stackable, non-skid desktop, or wall-mountable
Compact fanless rugged silver-aluminum case
One year limited warranty

SPECIFICATIONS

	8000	8400	8450	8750	87100
Available PoE Output (Watts, Ports):	No PoE	10W, 4 PoE	47W, 4 PoE	47W, 7 PoE	97W, 7 PoE
Power Supply:	PoE 13W	PoE 13W	48VDC 50W	48VDC 50W	48VDC 100W
Power Supply Weight:	NA	NA	9.6 oz.	9.6 oz.	1.25 lbs.
Switch Weight:	9.5 oz.	9.9 oz.	9.9 oz.	10.2 oz.	10.2 oz.
Power Connectors:	5.5mm OD, 2.0mm ID, center positive; PoE RJ-45				
Ethernet Ports:	8 RJ-45 10/100TX Auto Speed/Uplink; 0-7 PoE Out; 1 PoE In				
LED Indicators:	8 Link/Activity; 0-7 PoE Active; 1 Power				
Supported Protocols/Standards:	802.3i 10BASE-T; 802.3u 100BASE-TX; 802.3af PoE				
Switch Power Consumption:	3 Watts				
Switch Size:	3.0" long x 5.5" wide x 1.25" high (subject to change without notice)				

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Setup Procedures:

If using a power supply, connect the 48V DC power transformer to the POEmax Power Input connector. Connect the other end of the power transformer to an AC outlet (Figure 1). The POEmax switch will now operate as PoE Power Sourcing Equipment (PSE).

If PoE-Powered, then connect a PSE such as another PoE switch or a PoE injector to POE IN Port 8 (Figure 2). The POEmax switch will now operate as a PoE-Powered Device (PD). POE OUT models can rebroadcast PoE power to other PD's.

POEmax requires 3 Watts (W) for itself. POE OUT models will split any remaining power among all its PoE ports: 47W with 50W power supply; 97W with 100W power supply; up to 10W when PoE-Powered.

PoE power availability declines over distance. When PoE-Powered, POEmax can rebroadcast 10W PoE power from 13W PoE input as long as the cable distance from the PSE to the PD (with POEmax somewhere in the middle) is 50 feet or less. This is enough power to run for example, four iViewHD cameras (2.5W each).



Figure 1 - POEmax switch as PoE power source: connect POEmax to power supply, computer network, and PoE powered devices such as wireless access points, VoIP phones, and IP cameras (NetMedia iViewHD).



Figure 2 - POEmax as PoE-Powered switch: connect POEmax POE IN to a PoE switch/injector. POEmax will operate as a network switch. POE OUT models can rebroadcast power to other PoE-Powered devices such as VoIP phones and IP cameras.



Figure 3 - POEmax as PoE-Powered data/cable extension: connect POEmax POE IN to PoE switch/injector. POEmax will extend Ethernet cable length up to another 100M. POE OUT models can still redistribute any available PoE power.