



U.S. Patent 8,566,651
other patents pending



NETPOWER®
managed multiport poe+ midspan injectors



NPR500 Features

- ◆ Operation
 - 16 ports, all ports 32W IEEE 802.3at
 - 10/100/1000 BaseT Gigabit support
 - Extended temperature range operation up to 70° C
 - Programmable port priority (load shedding)
 - Port disable via external control input (access control panel, switch or other device)
- ◆ Remote port management
 - PoE shutdown per port or all ports simultaneously
 - Set optional upper and lower limits for the measured voltage and current of each port
- ◆ Email notification of port condition
 - If port draws over a preset current
 - If port loses output voltage
- ◆ Quality and reliability
 - Plug and play installation
 - Accepts AC or DC operating power
 - Port status LEDs for easy diagnostics
 - Overtemperature, overvoltage, overcurrent, and short circuit protection
 - Illuminated master power switch with circuit breaker
 - 1U rackmount or wallmount (with bracket included)

Specifications

Port Count	16
Power over Ethernet	Power Per Port: 32W, IEEE 802.3at 540W aggregate power
Pass through Data Rates	10/100/1000/Mbps
Input Power	AC Input Requirement Input voltage: 100-240Vac Input current: 9A max AC Frequency: 47 to 63 Hz DC Input Requirement Input voltage: 50 Vdc ±10% Input current: 14A max Back-up Battery Requirement Input voltage: 48Vdc Nominal
Management	PowerCom-PoET™ web browser-based
Port Status Indicators	Green (normal) Yellow (fault detected)
Mechanical	19.0in. x 15.50in. x 1.75in. 438 mm x 394 mm x 44 mm 1U rackmounted for use in standard EIA 19" Rack
Weight	14 lbs. (7 kg)

Overview

NETPOWER remote managed midspan injectors provide power and pass data to PoE compliant devices, such as IP cameras, door locks, IR illuminators and other access control edge devices.

The NPR500 features 16 ports at 32W/port, remote power management via LAN/WAN, remote PoE shutdown per port or all ports simultaneously, and 10/100/1000 BaseT Gigabit support. The NPR500 includes a 48V battery charger for cost effective back-up power vs traditional backup methods.

The NPR series is housed in a 1U rack mountable metal enclosure and accepts 120 to 240V universal AC, or 48V DC input operating voltage.

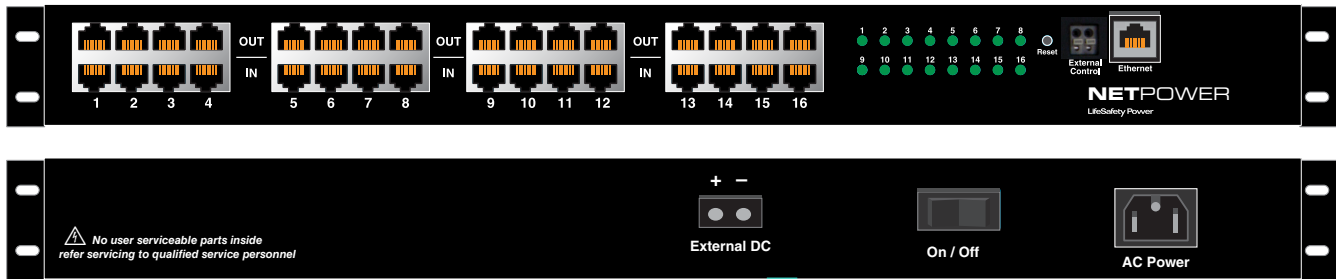
Ordering

Model No	Description
NPR500-16M	500W 16 port managed midspan with battery charger
Similar Models	
NPR250-16M	250W 16 port managed midspan with battery charger

Environment Conditions	Operating Ambient Temperature -4° to 122°F (-20° to 50°C) Extended Ambient Temperature at Derated Power 124° to 158°F (51 to 70 °C), Load Derated Operating Humidity 10% to 90%, Non-condensing Storage Temperature -4° to 158°F (-20 to 70 °C) Storage Humidity 5% to 95%, Non-condensing Operating Altitude -1000 to 10,000 ft. (-304.8 to 3048 m)
BTU Rating	232 BTU/Hr
Regulatory Compliance	RoHS Compliant
Electromagnetic Emission & Immunity	FCC part 15, Class A EN 55022 Class A (Emissions) EN 55024 (Immunity)
Safety Approvals	UL 60950-1, CSA C22.2 No. 60950-1, CE
Warranty	10 years

Specifications subject to change without notice.

NPR500 FRONT / REAR PANEL



POWERCOM-POE WEB BROWSER SCREEN

LifeSafety Power PowerComPoE MULTI-PORT MIDSPAN MANAGER							
HOME Configure Tools		Site ID: LSP6		Date: Tue Apr 03 2012		Time: 05:27:56	
MODEL: NPR500-16MC		Auto-refresh		Enable			
Port	Ext.Control	Device	Enable	Voltage	Current	Power	Status
<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 1	Main entrance camera	On	54.74V	610.2mA	33.41W	Normal
<input type="checkbox"/> 2	<input type="checkbox"/> 2		On	54.99V	7.7mA	0.42W	Normal
<input type="checkbox"/> 3	<input type="checkbox"/> 3		Off	0.00V	0.0mA	0.00W	Disabled
<input type="checkbox"/> 4	<input type="checkbox"/> 4		Off	0.00V	0.0mA	0.00W	Disabled
<input type="checkbox"/> 5	<input type="checkbox"/> 5		Off	0.00V	0.0mA	0.00W	Disabled
<input type="checkbox"/> 6	<input type="checkbox"/> 6		Off	0.00V	0.0mA	0.00W	Disabled
<input type="checkbox"/> 7	<input type="checkbox"/> 7	Zone 1 controller	On	54.97V	9.2mA	0.50W	Normal
<input type="checkbox"/> 8	<input type="checkbox"/> 8	Gate 1 camera	On	55.04V	188.7mA	10.39W	Normal
<input type="checkbox"/> 9	<input checked="" type="checkbox"/> 9		Off	0.00V	0.0mA	0.00W	Disabled
<input type="checkbox"/> 10	<input checked="" type="checkbox"/> 10		Off	0.00V	0.0mA	0.00W	Disabled
<input type="checkbox"/> 11	<input checked="" type="checkbox"/> 11	Door 3 camera	On	0.00V	0.0mA	0.00W	Fault
<input type="checkbox"/> 12	<input type="checkbox"/> 12	Gate 2 camera_1	On	55.10V	189.2mA	10.43W	Normal
<input type="checkbox"/> 13	<input type="checkbox"/> 13	Gate 2 camera_2	On	54.68V	8.9mA	0.49W	Normal
<input type="checkbox"/> 14	<input type="checkbox"/> 14		Off	0.00V	0.0mA	0.00W	Disabled
<input type="checkbox"/> 15	<input type="checkbox"/> 15		Off	0.00V	0.0mA	0.00W	Disabled
<input type="checkbox"/> 16	<input checked="" type="checkbox"/> 16	Back lot camera	On	54.71V	10.5mA	0.57W	Normal
Enable selected ports		Disable selected ports		Enable all ports		Disable all ports	
						Save setting	

POWERCOM-POE MANAGER

- Network Managed Port Control
 - ◆ Individual port shutdown
 - ◆ Visual alert of port status
 - ◆ Individual port voltage and current
- Configure Screen
 - ◆ Network settings
 - ◆ Admin password settings
- Tools Screen
 - ◆ Upgrade software
 - ◆ System reboot

lifesafetypower.com

(888) 577-2898
info@lifesafetypower.com1

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LifeSafety Power, Inc.
304 Terrace Drive
Mundelein, IL 60060 USA