



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



### NPR Features

- ◆ **Operation**
  - 8 or 16 ports, all ports 32W IEEE 802.3at up to max power of 256W
  - 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

|                                |  |
|--------------------------------|--|
| <b>Port Count</b>              | 8 or 16  |
| <b>Power over Ethernet</b>     | Power Per Port: 32W, IEEE 802.3at<br>32W up to 256W aggregate power  |
| <b>Pass through Data Rates</b> | 10/100/1000/Mbps   |
| <b>Input Power</b>             | <b>AC Input Requirement</b><br>Input voltage: 100-240Vac<br>Input current: 4.5A max<br>AC Frequency: 47 to 63 Hz<br><b>DC Input Requirement</b><br>Input voltage: 50 Vdc ±10%<br>Input current: 7A max<br><b>Back-up Battery Requirement</b><br>Input voltage: 48Vdc Nominal |
| <b>Management</b>              | PowerCom-PoE™ web browser-based  |
| <b>Port Status Indicators</b>  | Green (normal)<br>Yellow (fault detected)  |
| <b>Mechanical</b>              | 19.0in. x 10.8in. x 1.75in.<br>438 mm x 272 mm x 44 mm<br>1U rackmounted for use in standard EIA 19" Rack  |
| <b>Weight</b>                  | 14 lbs. (6.4 kg)   |

### Overview

NPR 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.

NPR250 features 8 or 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.

All NPR models include a 48V battery charger for cost effective back-up power vs traditional backup methods. The "MC" model provides an enhanced charger with faster charge rates and remote monitoring and reporting of battery condition.

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.

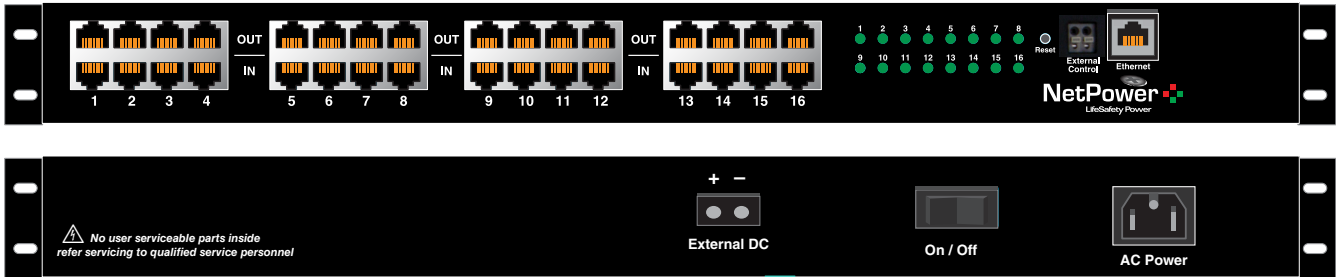
### Ordering

| Model No    | Description  |
|-------------|--|
| NPR250-8M   | 250W 8 port managed midspan with standard charger  |
| NPR250-8MC  | 250W 8 port managed midspan with enhanced charger  |
| NPR250-16M  | 250W 16 port managed midspan with standard charger |
| NPR250-16MC | 250W 16 port managed midspan with enhanced charger |

|  |   |
|--|---|
| <b>Environment Conditions</b>                  | <b>Operating Ambient Temperature</b><br>-4° to 122°F (-20° to 50°C)<br><b>Extended Ambient Temperature at Derated Power</b><br>124° to 158°F (51 to 70 °C), Load Derated<br><b>Operating Humidity</b><br>10% to 90%, Non-condensing<br><b>Storage Temperature</b><br>-4° to 158°F (-20 to 70 °C)<br><b>Storage Humidity</b><br>5% to 95%, Non-condensing<br><b>Operating Altitude</b><br>-1000 to 10,000 ft. (-304.8 to 3048 m) |
| <b>BTU Rating</b>                              | 116 BTU/Hr  |
| <b>Regulatory Compliance</b>                   | RoHS Compliant  |
| <b>Electromagnetic Emission &amp; Immunity</b> | FCC part 15, Class A<br>EN 55022 Class A (Emissions)<br>EN 55024 (Immunity)   |
| <b>Safety Approvals</b>                        | UL 60950-1, CSA C22.2 No. 60950-1   |
| <b>Warranty</b>                                | 10 years  |

Specifications subject to change without notice.

## FRONT / REAR PANEL



## POWERCOM-POE WEB BROWSER SCREEN

**LifeSafety Power PowerComPoE MULTI-PORT MIDSPAN MANAGER**

MODEL: NPR500-16MC Site ID: LSP6 Date: Tue Apr 03 2012 Time: 05:27:56 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.com

Specifications subject to change without notice.

© 2014 LifeSafety Power Inc. All rights reserved. LifeSafety Power and NetPower are registered trademarks of LifeSafety Power Inc. All other trademarks and copyrights are the property of their respective owners.

P01-447A 01/14

LifeSafety Power, Inc.  
 750 Tower Road, Suite B  
 Mundelein, IL 60060 USA  
 PH 888-577-2898  
 info@lifesafetypower.com