

# NP-100SE+/PD

Base Unit / 30Watt Terminal Unit Power over Ethernet

## General Description

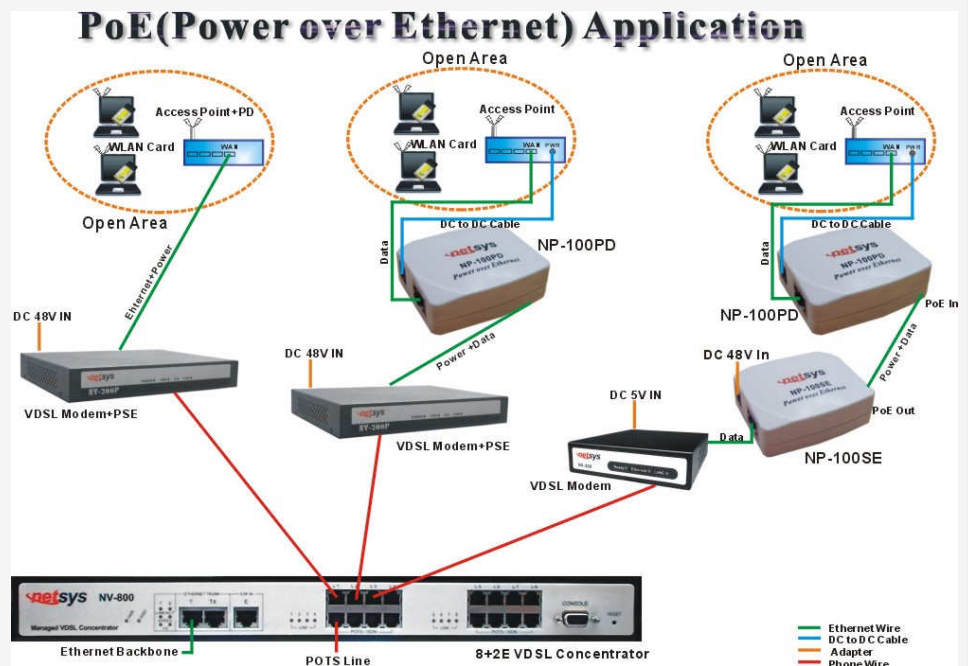
The Netsys Power over Ethernet (PoE) Adapter. It delivers data and electrical power to access points using standard Category 5 Ethernet cable. This eliminates the need for electrical cable and power converters at each access point location.

The Power over Ethernet (PoE) Adapter is easy to install. It's Plug n Play and requires no tools or software. Best of all, the PoE is lightweight and compact size means you can locate it virtually anywhere and never know it's there. The PoE transfers data on Category 5 Ethernet cable pairs 1/2 and 3/6. Power is transmitted on unused Ethernet pairs 4/5 and 7/8. It has an operational range of up to 328 ft./100m, which is a requirement of the Fast Ethernet standard.

Terminal Unit With the PoE you can mount devices such as an access point virtually anywhere in a building without worrying about the location of a power supply.



## Application Diagram



For more product information, visit us on the web [www.Netsys.com.tw](http://www.Netsys.com.tw)

NETSYS is a trademark of National Enhance Technology Corp.

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, National Enhance Technology Corp. hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

In the interest of improving internal design, operational function, and/or reliability, NETSYS reserves the right to make changes to the products described in this document without notice. NETSYS does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Copyright ©2007 by National Enhance Technology Corp. All rights reserved.

# NP-100SE+/PD

Base Unit / 30Watt Terminal Unit Power over Ethernet



## Key Features & Benefits

- Comply with IEEE802.3af, IEEE802.3at (NP-100SE+), Power over Ethernet, IEEE802.3/802.3u 10/100Base-TX
- Provides 48V DC power over RJ-45 Ethernet cable to device with Ethernet port
- LED indicators power input indication
- Distance up to 100 meters with RJ45 Ethernet cable
- Auto-detect of PoE 802.3af equipment, protect devices from being damaged by incorrect installation
- Choice of powered device for 5V DC, 9V DC or 12V DC

## Product Specification

### *Input Specification*

<b>Data Interface:</b>	RJ-45 Jack (See Pin Assignment)
<b>Input Voltage:</b>	36 ~ 57 V DC (48V)
<b>Input Current:</b>	PSE: 400mA MAX. PD: 350mA MAX.
<b>Input:</b>	@Vin=48V DC

### *Output Specification*

<b>PD Detection &amp; Classification:</b>	IEEE802.3af compliant
---	-----------------------

### *PSE Classification:*

<b>PoE Interface:</b>	RJ-45 Jack
<b>Output Voltage:</b>	48V±10%
<b>Output Current:</b>	350mA MAX
<b>Output Power:</b>	15.4W MAX
<b>LED Display:</b>	PoE Active (Green)

### *PD Classification:*

<b>PoE Interface:</b>	RJ-45 Jack
<b>Output Voltage:</b>	5Vdc/9Vdc/12Vdc (optional)
<b>Output Voltage Accuracy:</b>	±2.0% MAX
<b>Output MAX Current:</b>	2000mA for 5V / 1100mA for 9V / 800mA for 12V
<b>Output Power:</b>	10W MAX

### *General Specification*

<b>Operating Temperature:</b>	0°C ~ 50°C (32°F ~ 122°F)
<b>Storage Temperature:</b>	-20°C ~ +70°C (-4°F ~ 158°F)
<b>Humidity:</b>	Up to 90% (non-condensing)
<b>Cooling:</b>	Free air convection
<b>Dimension:</b>	66(W) x 56.4(L) x 25(H) mm

For more product information, visit us on the web [www.Netsys.com.tw](http://www.Netsys.com.tw)

NETSYS is a trademark of National Enhance Technology Corp.

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, National Enhance Technology Corp. hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

In the interest of improving internal design, operational function, and/or reliability, NETSYS reserves the right to make changes to the products described in this document without notice. NETSYS does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Copyright ©2007 by National Enhance Technology Corp. All rights reserved.