



- ① 24x10/100Mbps + 2 Gigabit Ports with Auto negotiation fast ethernet RJ45 ports with 24 port PoE function (port 1-24)
- ① Compliant with 802.3af specification
- ① Supports PoE power up to 15.4W for PoE ports
- ① Supports PoE power maximum up to 170watts for all PoE ports (port 1 - 24)
- ① Supports PoE Powered Device (PD) classification identity
- ① Supports manual setting for PoE port power limitation
- ① Each port supports auto MDI/MDIX, so there is no need to use cross-over cables or an up-link port
- ① Full/half duplex transfer mode for each port
- ① Wire speed reception and transmission
- ① Store-and-forward switching scheme capability to support rate adaptation and ensure data integrity

## NP2500 Power over Ethernet Switch

The NetComm NP2500 has been designed specifically for the SME and Branch Office markets. Offering 24 ports the NP2500 provides PoE and switching functionality, scalability and flexibility to the modern small to medium enterprise.

With 24 PoE ports delivering 802.3af standard based PoE on both 10/100Mbps and 10/100/1000Mbps ports it offers cost-effective implementation of devices requiring LAN based power.

## Power over Ethernet

Power-over-Ethernet (PoE) or "Active Ethernet" lets you run a single CAT5 Ethernet cable to carry both power and data to devices on the LAN. This eliminates the need to run separate 240 Volt power to devices on a wired LAN.

It also allows greater flexibility in locating APs and network devices and significantly decreases installation costs. With Power over Ethernet, you can power network devices up to 328 feet (100 meters) away, using standard CAT5 Ethernet cable.

# NP2500 Power Over Ethernet Switch

24x10/100Mbps + 2 Gigabit Port Ethernet Web-Smart Switch

## Key Features

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- Each port supports auto MDI/MDIX, so there is no need to use cross-over cables or an up-link port
- Full/half duplex transfer mode for each port
- Wire speed reception and transmission
- Store-and-forward switching scheme capability to support rate adaptation and ensure data integrity
- Up to 4K unicast addresses entities per device, self-learning, and table aging
- 768KBytes packet buffer
- Supports IEEE 802.3x flow control for full-duplex mode ports
- Supports Back-pressure flow control for half-duplex mode ports
- Supports port based VLAN
- Supports port based Trunking
- Supports Port-mirroring
- Supports Port-setting for Speed/Disable, Flow control, QoS
- Easy configuration via WEB Browser
- Easy setting via Web Management Utility
- Standard 19" Rack-mount size

## TECHNICAL SPECIFICATIONS

### Standard

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3af

### Network Media

- 10BASE-T Ethernet: 2 pair UTP Cat. 3,4,5, Unshielded Twisted Pair (UTP) Cable
- 100BASE-TX Fast Ethernet: 2 pair UTP Cat. 5, Unshielded Twisted Pair (UTP) Cable
- 1000BASE-T Fast Ethernet: 4 pair UTP Cat. 5, Unshielded Twisted Pair (UTP) Cable
- PoE port: 2 pair UTP Cat. 5, Unshielded Twisted Pair (UTP) Cable

### Protocol

- CSMA/CD

### Topology

- Star

### Number of Ports

- 2 x 10/100/1000Mbps Auto-MDIX Gigabit Ethernet ports (port 25 ~ port 26)
- 24 x 10/100Mbps Auto-negotiation, Auto-MDIX PoE ports (port 1 ~ port 24)

### Network Data Transfer Rate

- Ethernet: 10Mbps (Half-duplex)  
20Mbps (Full-duplex)
- Fast Ethernet: 100Mbps (Half-duplex)  
200Mbps (Full-duplex)
- Fast Ethernet: 2000Mbps (Full-duplex)

### PoE (Power over Ethernet)

- Up to 15.4W for PoE port
- Maximum 170W for all PoE ports
- PD classification identify
- Manual setting for PoE power limitation
- Supports PoE Priority setting
- PoE Over Current Protection
- PoE Circuit sorting protection
- PoE Power on RJ-45 pin 3,6 for Power+ and pin 1,2 for Power

### Data RAM Buffers

- 768K Bytes per device

### Filtering Address Table

- 4K entries per device

### Diagnostic LEDs

- Per Unit : Power, System ( 2 LEDs )
- Per port : TX: Link/Activity, Speed ( 2 LEDs )
- PoE : PoE Status (port 1 ~ port 24) (bi-color LED)

### Power

- 100 - 240VAC 50/60Hz, Internal Universal Switching Power

### Power Consumption

- 9 watts. (max. no PD device connected)
- 180 watts (max. for up to 11 PoE Device connected)

### Dimensions (W x H x D)

- 440 x 310 x 44 mm

### Temperature

- Operating: 0 ~ 40 oC
- Storage: -10 ~ 70 oC

### Humidity

- Operating: 10% ~ 90% RH
- Storage: 5% ~ 90% RH

### Emission

- FCC Class A
- CE mark Class A
- VCCI-A

### Safety

- cUL (UL 60950)
- CB(IEC 60950)

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