



# Fast Ethernet PoE Switch

## 8 port POE with one uplink RJ45 port

### NT-W900-AF8 series

#### Overview

To satisfy the increasing demand of PoE for Fast Ethernet (FE) networking, N-net has developed this series of PoE FE switch. The NT-W900-AF8 is a 9-port FE media converter, which provides 8 10/100BASE-TX 802.3af (or 4 10/100BASE-TX 802.3at) PoE ports and a 10/100BASE-TX uplink port.

The NT-W900-AF8 supports 130-watt PoE budget to drive up to 8 IEEE 802.3af (or 4 IEEE 802.3at) compliant powered devices simultaneously. The PoE feature enables the NT-W900-AF8 an efficient and cost-effective solution for SMB, SOHO or other similar fields to deploy the PoE network for the wireless access points, IP-based surveillance cameras or IP phones anywhere easily and efficiently.

#### Features

- ✧ Built-in efficient switching core to implement flow control and reduce broadcast packets
- ✧ Standard Compliance: IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet, IEEE802.3x Flow Control, IEEE802.3af/at PoE
- ✧ 10/100Base-TX automatically identify the direct line and cross-line, compatible with various cards, switches, HUB and other Ethernet devices
- ✧ Store-and-forward mechanism is employed to avoid packet loss and error frames
- ✧ Support full-duplex flow control / half-duplex back pressure mode
- ✧ Jumbo frames support a maximum of 1552 bytes
- ✧ 52 DC power input
- ✧ -20 To 70 °C operating temperature to meet a variety of complex environments
- ✧ Copper ports support ESD protection
- ✧ Support PoE power supply up to maximum of 25.5 W



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#### ❖ Specifications

Parameter	Specifications
Access mode	10/100Mbps
Standard	IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet, IEEE802.3x Flow Control, IEEE802.3af/at PoE
Wavelength	850nm/1310nm/1550nm
Transmission distance	Dual-fiber multi-mode:2km Single fiber single mode: 20/40/60/80km Dual-fiber single mode:20/40/60/80/100km Category-5 twisted pairs: 100m
Port	9 RJ45 ports: Connecting STP/UTP category-5 twisted pairs, EIA568A/B
Conversion means	Store and Forward
Flow control	Full duplex: flow control; Half duplex: back pressure
Address table	1KB
Buffer space	Built in 512Kb RAM for data buffer
BER	$<10^{-9}$
MTBF	50,000 hours
LED indicator	Power Supply : PWR Uplink: L/A, SPD (1~8)UTP Port: POE, L/A
Power supply	Power Input Range: 48VDC, Power Interface: DC Power Jack
Power Requirement	52VDC @ 2.5A 130W
Power consumption	$<5W$
Operating temperature	-20~70°C
Operating humidity	5%~90% non-condensing
Storage Temperature	-20~70°C
Storage humidity	5%~90% non-condensing
Dimensions	170.50mm (W)×80.50mm (D)×30.00mm (H)
Weight	

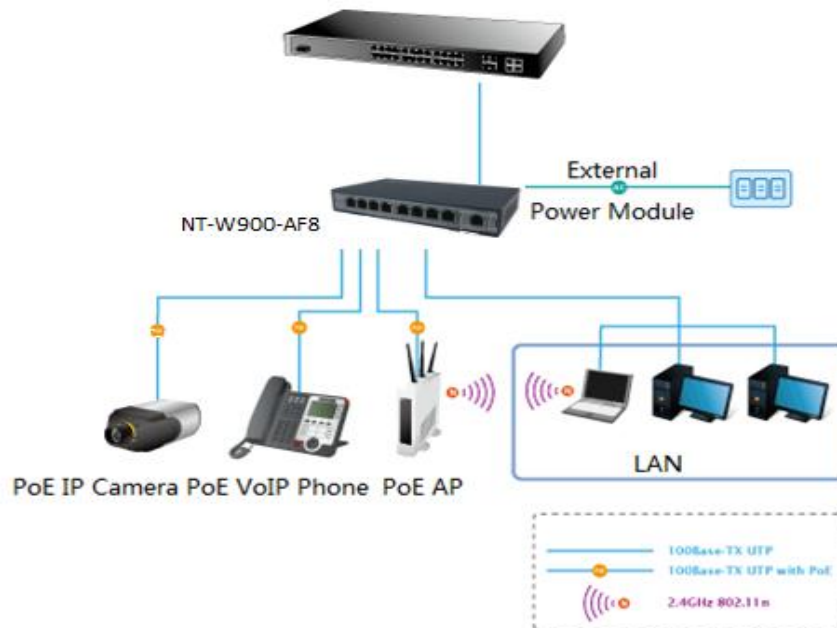


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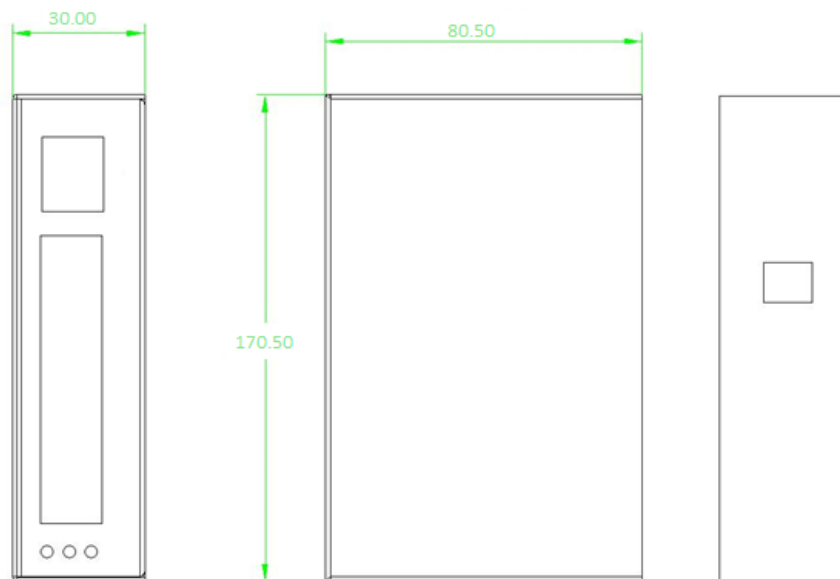
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#### Application



#### Dimensions





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### Order information

Model	Description
NT-W900-AF8	8 port 10/100M POE switch, with 8 port IEEE 802.3af PoE output (or 4 port IEEE 802.3at PoE output) and one uplink Ethernet port