



PoE Gigabit Ethernet Switch

NT-WG800-AF8

Overview

To satisfy the increasing demand of PoE for Gigabit Ethernet (GE) networking, N-net has developed this series of PoE GE switch. The NT-WG800-AF8 is an 8-port GE switch, which provides eight 10/100/1000M 802.3af PoE ports.

The NT-WG800-AF8 supports 120-watt PoE budget to drive up to eight IEEE 802.3af compliant powered devices simultaneously. The PoE feature enables the NT-WG800-AF8 an efficient and cost-effective solution for SMB, SOHO and 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, IEEE802.3ab Gigabit Ethernet, IEEE802.3x Flow Control, IEEE802.3af PoE
- ✧ 10/100/1000M 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
- ✧ Maximum of 9216 bytes Jumbo frame supported
- ✧ 48V 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 15W



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❖ Specifications

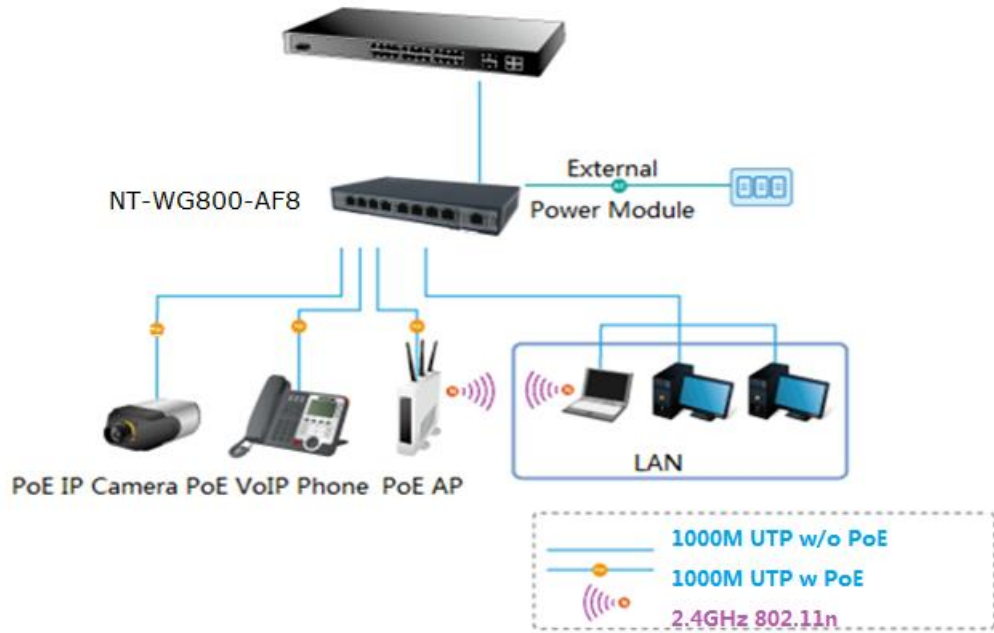
Parameter	Specifications
Access mode	10/100/1000Mbps
Standard	IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet, IEEE802.3ab Gigabit Ethernet, IEEE802.3x Flow Control, IEEE802.3af PoE
Transmission distance	Category-5 twisted pairs: 100m
Port	Eight RJ45 ports: Connecting STP/UTP category-5 twisted pairs, EIA568A/B
Operation mode	Store and Forward
Flow control	Full duplex: flow control; Half duplex: back pressure
Address table	8K-entry look-up table with auto-learning function
Buffer space	Built in 1Mb SRAM for data buffer
BER	$<10^{-9}$
MTBF	50,000 hours
LED indicator	Power Supply : PWR (1~8)UTP Port: POE, SPD, L/A
Power supply	Power Input Range: 48VDC, Power Interface: DC Power Jack
Power Requirement	48VDC @ 2.5A 120W
Power consumption	$<5W$
PoE Power Pins	RJ45: Mode A -- pins 1 and 2 for PoE(+); 3 and 6 for PoE(-)(Default) Mode B -- pins 4 and 5 for PoE(+); 7 and 8 for PoE(-)(Optional)
Operating temperature	-20~70°C
Operating humidity	5%~90% non-condensing
Storage Temperature	-40~75°C
Storage humidity	5%~90% non-condensing
Dimensions	170.50mm (W)×80.50mm (D)×30.00mm (H)
Weight	



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Application



Dimensions

