Unmanaged PoE Switch
16*10/100M PoE+, 2*1000M RJ45 Uplink, 1*1000M SFP Uplink
NS100-16FP2G1S

Overview

The NETS PoE switch provides power and data from a single point, using Power over Ethernet (PoE) over Cat-5e or higher cable. It can be used for any 10/100Mbps link and supply industry-standard IEEE 802.3af/at power. Advanced auto-sensing algorithm gives power to 802.3af/at end devices. In addition, the PoE switch automatically determines PoE requirements, speed, duplex, and cable type using auto-negotiation. Easy to operate and reliable.

The PoE switch is ideal for powering PoE devices such as IP cameras, Wireless Access Point, IP phones, office Access Control Systems, and other PD devices and offers a line of high quality products that provide a total solution for Ethernet application in different environments.

Features:

- 16*10/100 Mbps PoE+ port, 2*10/100/1000Mbps RJ45 Uplink port, 1*1000M SFP Uplink
- 100m Transmission Distance, 250m after use extend function
- Compatible with IEEE802.3af/at
- Total Power: 250W
- All RJ45 port supported by MDI/MDIX auto flip and auto-negotiation
- Has 16*10/100Mbps and 2*10/100/1000Mbps adaptive high speed non-blocking data ports
- High level lightning protection device, up to 6000V.
- Each PoE+ port can supply 30 W maximum power.
- Low heat design, safe and reliable, high stability
- Application: Wireless Access Point, IP Camera, IP Phone, Computer Networks

Technical specification

Model	NS100-16FP2G1S
Data Pins	1/2+,3/6-
Power Supply Type	Built In 1/2+,3/6-
PoE Output Power	30W
Connector	16*10/100 Mbps PoE+ port, 2*10/100/1000 Mbps Uplink port, 1*1000 Mbps SFP Uplink
Network Medium	Copper Cable: Cat5e (UTP) or higher, Fiber Cable: Depends on the SFP module
Technology	
Network Standards	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control IEEE 802.3af/at Power over Ethernet
PoE power	30W per port (IEEE802.3af/at). Wiring: Data & power provided over pairs 1/2 and 3/6 or 4/5 (+) and 7/8(-)
Processing types	Store-and-forward Half-duplex back pressure and IEEE 802.3x full-duplex flow control
Address database Table Size	2K MAC address entry
Buffer memory	48Kb embedded memory per unit
Backboard Bandwidth	8.8 Gbps
Network Latency	Less than 20 µs for 64 byte frames in store-and-forward mode for 100Mbps to 100Mbps transmission
Power	
Input	AC 110-240 V, 50/60 Hz
PoE power consumption	30W per port (IEEE802.af/at)
Overload current protection	Present
Mechanical	
Casing	Metal
Installation	Desktop/Rack mounting with Brackets
Interface	
LED Indicators	System: Power, PoE Maximum power Per port: Link, Activity, Speed, PoE active, PoE error
Environment specification	
Operating temperature	-10 ~ +55℃
Storage temperature	-40 ~ +70℃
Operating humidity	90% maximum relative humidity, non-condensing
Storage humidity	95% maximum relative humidity, non-condensing
Dimensions	312*185*46mm (L*W*H)
Weight	2.25 Kg