



AD-NET TECHNOLOGY CO.,LTD

AN-POE-16TX-AF

16 Ports 10/100Base-T Ethernet POE Switch



Introduction:

The AN-POE-16TX16-port 10/100M Ethernet PoE switch a high efficiency 16-port 10/100Mbps Ethernet switch and a standard 802.3af 16-port Power over Ethernet (PoE) capability. The AN-POE-16TX PoE switch incorporates an internal 48VDC power supply. Each of the PoE Ethernet ports can support 15.4W(AF) Watts of power as well as 10/100M data transmission over the Inter- connecting Ethernet interface such as Cat 5/ 5e /6 cables.

The AN-POE-16TX-AF 16-port 10/100 Ethernet PoE Switch is a Power Source Equipment (PSE) and fully compatible with Powered Devices (PD) that comply with the IEEE 802.3af PoE standard. The AN-POE-8TX-AF 16-port 10/100 Ethernet PoE Switch enables users to attach IEEE802.3af compliant devices such as wireless Access Points (APS), VOIP phone, IP camera, printer and Network Attached Storage (NAS) directly to the 16-port 10/100 Ethernet PoE Switch without requiring additional power on the network. The unit was designed with home and small business users in mind and is ideal for installations where AC power is not available or no cost-effective.

Key Features

- 16 x 10/100Mbps Auto-negotiation Fast Ethernet RJ-45 ports with 16-Port PoE function
- Compliant with IEEE 802.3af specification.
- Supports PoE power up to 300 for 16 PoE ports.
- Supports PoE IEEE802.3af compliant Powered Device (PD)
- Each port supports auto MDI/MDIX, so there is no need to use cross-over cables.
- Full/half duplex transfer mode for each port.
- Wire speed reception and transmission.
- Up to 4K unicast address entities per device. Self-learning, and table aging.
- 64KBytes packet buffer.



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Specification

Product Name	AN-POE-16TX-AF
	16 Ports 10/100Base-T Ethernet POE Switch with 16 Ports POE out
Standard	IEEE 802.3 10BASE-T Ethernet
	IEEE 802.3u 100BASE-TX Fast Ethernet
	IEEE 802.3x Full Duplex Flow Control
	IEEE 802.3af Power over Ethernet
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10Mbps (half-duplex), 20Mbps (full-duplex)
	Fast Ethernet: 100Mbps (half-duplex), 200Mbps (full-duplex)
Network Cables	10BASE-T: 2-pair UTP Cat 3, 4, 5 up to 100 meters.
	100BASE-Tx: 2-pair UTP Cat 5, 5e up to 100 meters.
Number of Ports	16 x 10/100Mbps auto-MDIX RJ-45 ports with PoE enabled ports.
PoE power on RJ-45	Power +: ping 3 & ping 6
	Power – ping 1 & ping 2
AC to DC power adaptor	Input: 110V ~ 240VAC, 50Hz ~ 60Hz. Output: 48VDC/6.25A.
Power Consumption	8.0 watts (max with no PD device connected)
	300 watts (16 PoE ports 15.4W/port)
Temperature	Operation: 0°C ~ 40 °C or 32°F ~ 104 °F
	Storage Temperature: -10°C ~ 70 °C or 14°F ~ 158 °F
Humidity	Relative Humidity: 5% - 95%
Dimensions	430mm W x 266mm D x 66.4mm H
EMI	FCC Class B, CE Mark Class B
Safety	110VAC to 48VDC power adaptor UL listed.
RAM buffer	64K bytes per device
Filtering Address Table	1K entries per device
Packet Filtering / Forwarding Rate	10Mbps Ethernet: 14,880/pps
	100Mbps Ethernet: 148,800/pps
MAC address Learning	Automatic update
Transmission Method	Store – and - forwarder

Ordering Information

AN-POE-16TX-AF	16 Ports 10/100Base-T Ethernet POE Switch with 16 Ports POE output 48V 2.5A (UL)
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