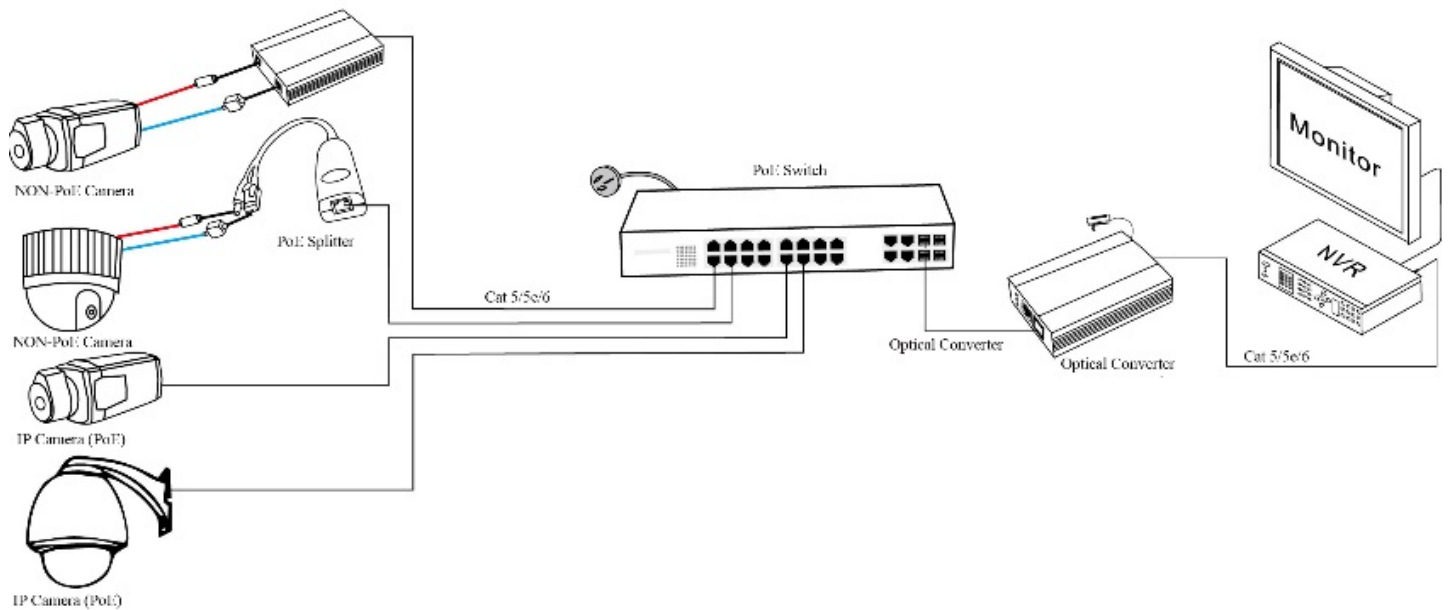


❖ Overview

PoE Switch



NT-29M16T4GC series is Management Ethernet switch with POE function, is dedicated to the application of video monitoring system and network engineering and design, to provide 16 Fast Ethernet ports and 4 COMBO ports (Gigabit UPLINK port: fiber and Ethernet port is optional).

It provides 16 fast Ethernet adaptive RJ45 port, each RJ45 ports support MDI, MDIX automatic turning and line speed forwarding function, and is compatible with IEEE802.3af/at PoE standard, one of the highest output power is 30W.

The PoE feature enables the NT-29M16T4GC 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.



Managed Fast Ethernet PoE switch

NT-29M16T4GC series

❖ Features

- ❖ 16x 10/100Mbps downlink PoE Ethernet Ports, 4x 10/100/1000Mbps uplink Ethernet Ports, or 4x1000Mbps uplink SFP Ports ,or 4x 1000M Gigabit Ethernet COMBO ports
- ❖ IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3z, IEEE802.3af/at standard
- ❖ Each of 16 ports all support IEEE802.3af/at
- ❖ 10/100Mbps auto-negotiation and auto MDI/MDI-X, compatible with various Ethernet devices
Support L2+ Switching features including 802.1Q VLAN, Port Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, DHCP Relay , LACP, IP Source Guard, ARP inspection, ACLs etc.
- ❖ Store-and-forward mechanism is employed to avoid packet loss and error frames
- ❖ Support spanning tree STP(802.1D) and RSTP(802.1W) and MSTP(802.1S)
- ❖ Support IP/Port/Mac binding.
- ❖ Jumbo frames support a maximum of 16K kilobytes
- ❖ Support enhanced management through WEB, CLI, SSH, SNMP.
- ❖ Maximum power per port: 30W
- ❖ Maximum PoE power: 300W (Port 1 to Port 16)
- ❖ Built-in 1U rack power supply series, easy installation

❖ Specifications

	Item	Description
Power	Power Adapter Voltage	90-260VAC
	Consumption	300W
Network Connector	Network Port	1~16 port:10/100Mbps POE Ethernet port Uplink COMBO port:10/100/1000Mbps Ethernet port or 1000Mbps SFP port
	Transmission Distance	1~16 port: 100m Uplink port: 100m for 10/100/1000Mbps Ethernet port SFP: depends on the optical module
	Transmission Medium	Cat5/5e/6 standard network cable
Network Switch	Network Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab ,IEEE802.3z, 802.3az IEEE802.3x , 802.1p, 802.1q, 802.1x , IEEE802.3af/at, 802.1d, 802.1w, 802.1s, 802.3ad, 802.3ac, 802.1ab,
	System switching bandwidth	12.8G
	Packet forwarding rate	8.3M
	Packet buffe	4M bit
	Maximum Frame Size	16K Bytes

	MAC address list	16K
Port Settings		Enable/Disable
		Auto Negotiation
		Auto MDI/MDI-X
		802.3x (Flow Control) and (Backpressure)
		Traffic Statistics
		Port Mirror
VLAN		29 port base VLAN group
		4K tag base VLAN group
		Tag based VLAN
		Port based VLAN
		Protocol based VLAN
		QinQ
		GVRP
		Management VLAN
QOS		802.1p
		Port based CoS
		IP/ToS based CoS(IPv4/IPv6)
		802.1Q
		8 priority queues
		FIFS, SP, WRR, SP+WRR, WFQ
		DSCP
		TCP/UDP port based CoS
		ACL base
		Source Mac base
Management		CLI
		HTTP/Telnet/SSH
		SNMP V1/V2/V3
		SNMP Trap
		RMON V1/V2
		Firmware upgrade by TFTP/HTTP
		SNTP
		SMTP
		Syslog
Storm control		Broadcast
		Multicast
		DLF
		ICMP
		ARP
Security		802.1X (port based, mac based)
		Radius

		TACACS+
		IP/Port/Mac binding
ACL		128 entries
		Port ID, MAC, IP, TCP/IP port no.
Spanning Tree		STP
		RSTP
		MSTP
DHCP Relay		IPv4, IPv6
Link Aggregation		6 Trunk groups
Power Over Ethernet	PoE Standard	IEEE 802.3af/at
	PoE Power Supply Type	End-Span(1/2+;3/6-)
	PoE Power Consumption	af≤15.4W, at≤30W (Each port)
	PoE Ethernet LED Indicator	Power: 1 green light indicates that the power normal work; POE: 16 green lights indicate that the POE is power on; Ethernet: 20 green lights indicate that the Ethernet Link, Ethernet: 20 green lights indicate that the Ethernet speed.
Environmental	Working temperature	-25°C~70°C
	Relative Humidity	20~95%
	Storage temperature	0°C~70°C
Mechanical	Dimension (LxWxH)	440mm*280mm*45mm
	Material	IRON
	Weight	4200g
Stability	MTBF	>30000h





Managed Fast Ethernet PoE switch NT-29M16T4GC series

Instruction:

1. Front board have 24 ports, Provide 16x 10/100Mbps downlink PoE Ethernet Ports, 4x 10/100/1000Mbps uplink Ethernet Ports ,or 4x 1000Mbps uplink SFP Ports; or 4x 1000M Gigabit Ethernet COMBO ports
2. LED Indicator State:
 - Power: 1 green light indicates that the power normal work;
 - POE: 16 green lights indicate that the POE is power on(Under the RJ45 socket) ;
 - Ethernet: 20 green lights indicate that the Ethernet Link and Act
 - Ethernet: 20 green lights indicate that the Ethernet speed.

❖ Installation step

Please check below device and accessories before installation, if there are missing, please contact with your supplier.

1. PoE Switch 1PCS
2. User Manual 1PCS

- ◆ Please turn off the signal source and the device's power before installing, installation with power on may damage the device;
- ◆ Use 16 network cables to connect 16 IP cameras with Ethernet switch's 1~16 PoE port;
- ◆ Use network cable to connect Ethernet switch's UPLINK port with NVR or Other Device;
- ◆ Connect Ethernet switch with power adapter;
- ◆ Check if the installation is correct and device is good, make sure all the connection is reliable and power for the system;
- ◆ Make sure every network device has power supply and work normally.

❖ Order information

Model	Description
NT-29M16T4GC-AF16	Managed Fast Ethernet PoE Switch, (16) 10/100Mbps downlink PoE Ethernet Ports, (4) 10/100/1000Mbps uplink Ethernet Ports, or (4) 1000Mbps uplink SFP Ports, POE output IEEE802.3af standard,300W