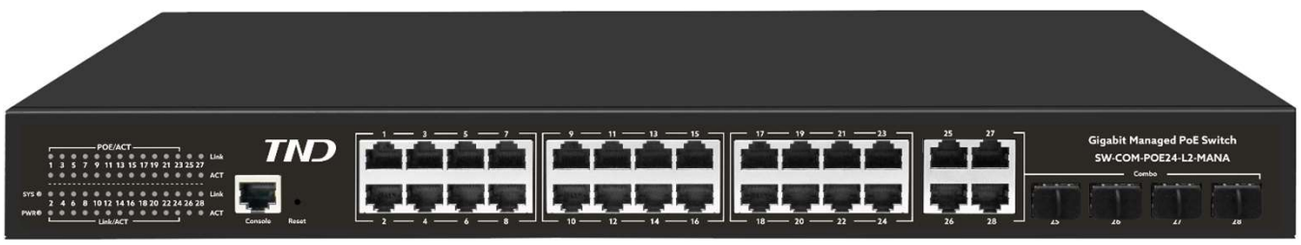
SW-COM-POE24-L2-MANA

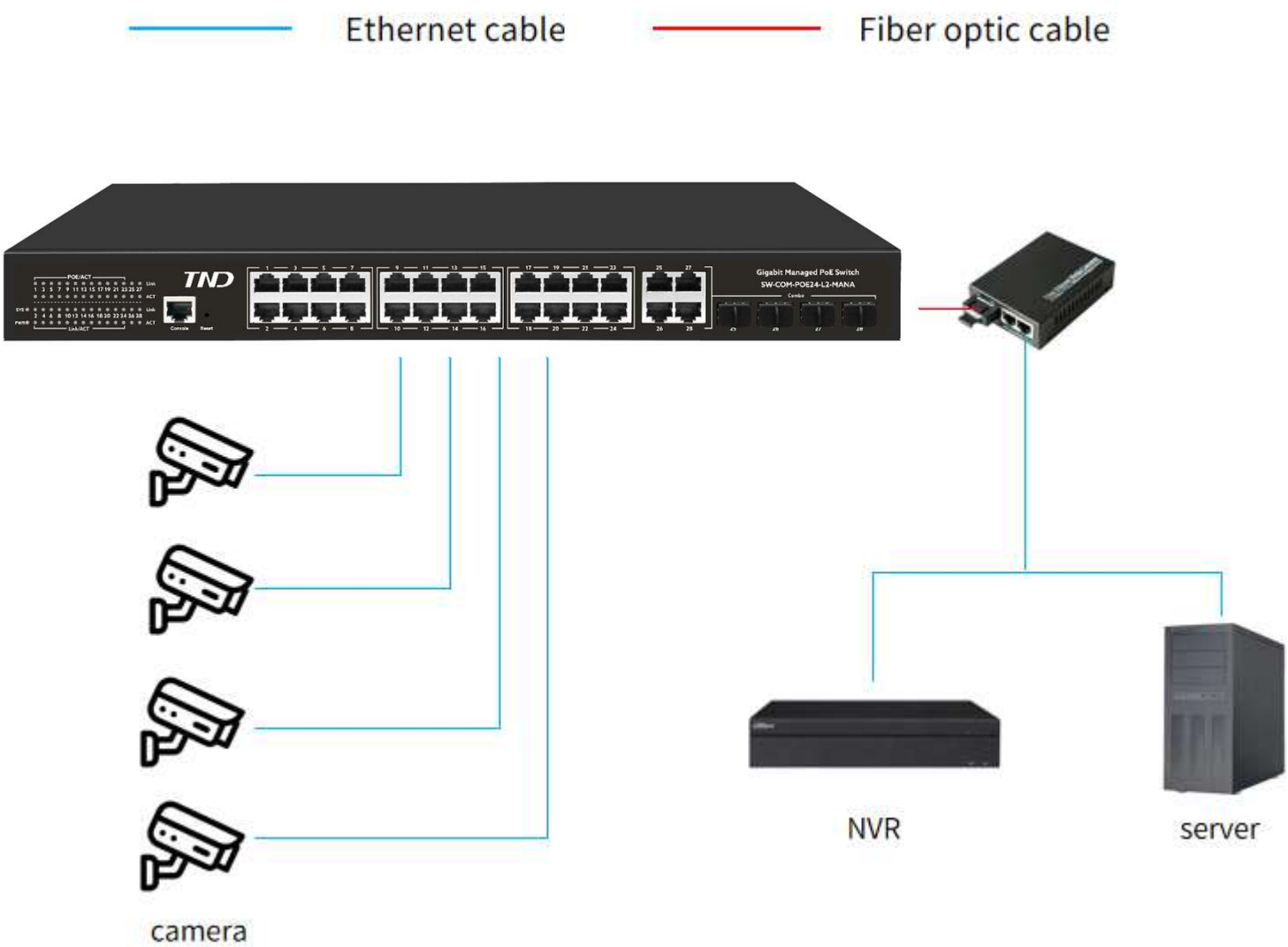
32-port Gigabit Management Ethernet PoE Switch



Highlights

- Complies with IEEE 802.1d, IEEE 802.1w, IEEE 802.1s, IEEE 802.1p, IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.3ab standards
- Supports DHCP Server, QoS, ACL control, supports SNMP V1/V2/V3, supports IGMP Snooping v1/v2;
- Support PoE watchdog, PoE port power supply and power configuration, PoE time management;
- Supports Spanning Tree Protocol STP/RSTP/MSTP, supports loop detection and self-healing
- Support remote loopback monitoring and control (802.3ah OAM)
- Support multiple VLAN partitions, including MAC VLAN, protocol VLAN;
- Supports IP address+MAC address+VLAN+port binding, supports DHCP Snooping, supports IP source and DAI protection;
- Supports WEB, TELNET, CLI, SSH, SNMP, RMON management
- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4W)

Product Application



Specifications

Hardware Features & Performance		
Model		SW-COM-POE24-L2-MANA
General	Interface	24 *Gigabit PoE ports 4*Gigabit SFP optical ports 4 *Gigabit RJ45 ports 1 *Console port
	Port Standard	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) IEEE 802.3z (Gigabit Ethernet Fiber Standard) IEEE802.3x (Flow Control) IEEE 802.3az (Efficient and Energy saving Ethernet) IEEE 802.3ad (Link Aggregation) IEEE 802.1AB LLDP/LLDP MED (Link Layer Discovery Protocol) IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1s Multiple Spanning Tree Protocol (Fast Spanning Tree) IEEE 802.1Q (Virtual Local Area Network) IEEE 802.1p (VLAN Tag) IEEE 802.1X (User Authentication)
Performance	Switching Capacity	56Gbps
	Packet Forwarding Rate	41.66Mpps
	Packet Buffer	4.1Mbit
	MAC Address Table	8K
	Jumbo Frame	support
	VLAN	VLAN range 1-4094, maximum active VLAN is 256
	Transmission Method	Store and Forward
PoE	PoE Standard	IEEE802.3af （15.4W） IEEE802.3at （30W）
	PoE Port Output Voltage	DC 44-57V
	PoE Ports	Port 1-24 PoE power output <30W
	PoE Power Budget	370W
Environment	Surge Protection	Surge Protection: Common mode 6KV, differential mode 2KV ; Electrostatic ESD: Air 4KV, Contact 2KV
	Operating Temperature	0~40°C
	Storage Temperature	-40 °C to 70 °C
	Operation Humidity	10%~90%，non condensing
	Storage Humidity	5%~95%，non condensing
	Certificate	CE、FCC、RoHS

Specifications

Hardware Features & Performance		
Physical	Power Supply	AC 100-240V 50/60Hz DC 52V 7.69A
	Mainboard Power Consumption	26.3W
	Structure Information	Product Dimensions :440*280*44mm Packaging Dimensions : 500*365*85mm Product Net Weight: 3.65KG Product Gross Weight: 22.8KG
	Packing Information	Carton Dimensions :520*445*385mm Packing Quantity: 5PCS Packing Weight: 24.6KG
	Packing List	switch 1pcs, power cord 1pcs, instruction manual 1pcs，certificate of qualification 1pcs
	Fan Quantity	0
	Installation	desktop
Buttons & Indicator Lights	PWR	On: Powered on Off: Powered off
	SYS	Flashing: System startup in progress On: The system is running normally
	1-28 Link/ACT	On: Link normal Off: Link blocked Flashing: Data transmitting
	PoE	On: PoE powered on Off: PoE powered off
	RESET	Long press for 6 seconds to restore factory settings

Specifications

Software Features	
L3 Function	
IPv4	IPv4 VLAN Interface
	IPv4 Static Routes
	ARP
IPv6	IPv6 VLAN Interface
	IPv6 Static Routes
	IPv6 ND
L2 Function	
Port	Port Switch configuration
	Port Description configuration
	Port Speed configuration
	Port Duplex configuration
	Port Flow Control configuration
	Jumbo Frame, Up to 10K
	EEE
	Fiber Module(DDM)
Link Aggregation	Supports load balance policy; Base on MAC and IP-MAC
	Static and Dynamic Group
	Supports LACP
	Up to 8 groups
Storm Control	Boardcast suppression
	Unknown Multicast
	Unknown Unicast
Port Mirroring	One to one monitor
	Many to one monitor
	Ingress/Egress/Both
	Up to 4 session groups
Port Security	MAC Address Constraints
	Port Security MAC Address
	Protect/Restrict/Shutdown
Port Isolation	support
Port Rate-limit	support
Loopback Detection	support
VLAN	Access/Trunk/Hybrid
	VLAN Tunnel （Q-in-Q Tunnel）
	VLAN range 1-4094, maximum active VLAN is 256
	Voice VLAN
	MAC VLAN
	Surveillance VLAN
	Protocol VLAN
	GVRP

Specifications

Software Features	
MAC Address	Dynamic MAC address
	Static MAC address
	Filtering MAC Address
Spanning Tree Protocol	STP/RSTP/MSTP
	BPDU Filter
	BPDU Guard
	Edge Port
LLDP	LLDP
	LLDP MED
Multicast	IGMP Snooping
	IGMP V1/V2/V3
	Router Port
	Static IGMP group address
	IGMP groups filtering
	Querier
	MLD Snooping
	MVR
QoS	Traffic classification based, Strict priority and WRR
	Port Priority
	802.1P Priority
	IP TOS Priority
	IP DSCP Priority
	Supports up to 8 queues per port
	Priority Remarking
ERPS	Only SFP port
PoE	
PoE Configuration	PoE Temperature
	PoE Type/Level/Power/Voltage/Current query
	PoE Switch Configuration
	PoE Watchdog Configuration
	PoE power AF/AT adaptation
PoE Schedule	support
PoE Port Timer Reboot	support
Services	
DHCP	DHCP Server
	IP Pool
	Static Binding
	Port Static Binding
	DHCP Relay
Access Protocol	HTTP
	HTTPS
	Telnet
	SSHv2
	Manager ACL
	Session Timeout
	Password Retry Count
	Silent Time

Specifications

Software Features	
Security	
AAA	RADIUS
	TACACS+
	802.1X
	Base on port/MAC/local/WEB
DHCP Snooping	Global/VLAN
	Option 82
	Circuit ID
IP Source Guard	support
Dynamic ARP Inspection	support
DoS	support
ACL	MAC ACL
	IPv4 ACL
	IPv6 ACL
Diagnostics	
Syslog	Logging Message
	Remote Server
Ping	support
Traceroute	support
Copper Test	support
UDLD	support
Port Statistics	support
Equipment Management	
Manager Acces	Console
	HTTP/HTTPS
	Telnet
	SSH
	SNMP
Manager IP	Static Address
	DHCP Client
	Supports IPv4 and IPv6 address
	Manager VLAN
	DNS
Time Synchronization	SNTP
	Manual Time

Specifications

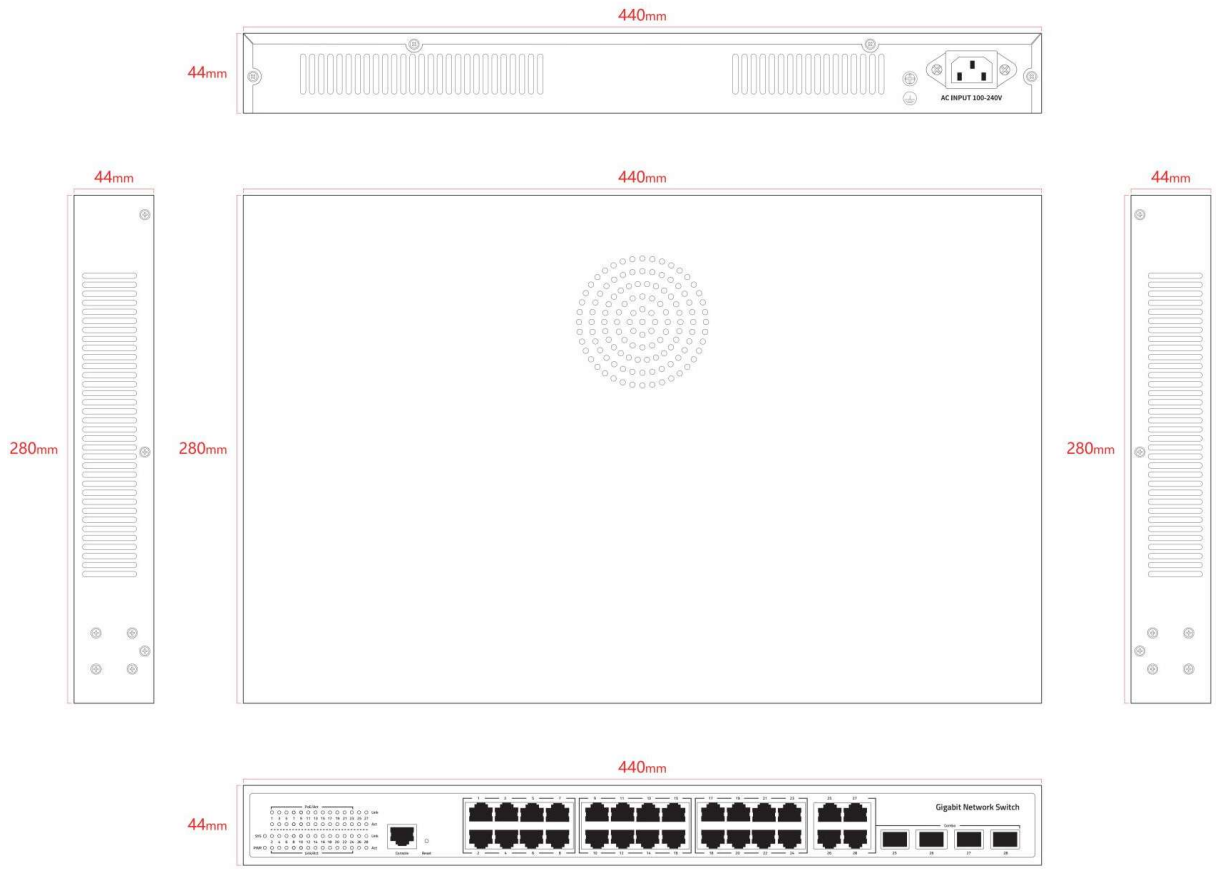
Software Features	
SNMP	V1/V2C/V3
	Community
	V3 User
	Group
	Trap Host
SNMP MIB	RFC 1213 MIB-II
	RFC 1493 Bridge MIB
	RFC 1643 Ethernet MIB
	RFC 2819 RMON MIB (Groups 1, 2, 3 and 9)
	RFC 2863 Interface MIB
	LLDP
	Private MIB
RMON	Statistics
	History Configuration
	Event Configuration
	Alarm Configuration
User Management	support
Firmware Management	Firmware upgrade
Configuration Management	Upload and download
Save	support
Restart	support
Factory Defaults	support

Specifications

Software Features
Standard Compliance
IEEE 802.3x flow control and back pressure
IEEE 802.3ad port trunk with LACP
IEEE 802.1D Spanning Tree Protocol
IEEE 802.1w Rapid Spanning Tree Protocol
IEEE 802.1s Multiple Spanning Tree Protocol
IEEE 802.1p Class of Service
IEEE 802.1Q VLAN tagging
IEEE 802.1x Port Authentication Network Control
IEEE 802.1ab LLDP
IEEE 802.3af Power over Ethernet
IEEE 802.3at Power over Ethernet Plus
RFC 768 UDP
RFC 793 TFTP
RFC 791 IP
RFC 792 ICMP
RFC 2068 HTTP
RFC 1112 IGMP v1
RFC 2236 IGMP v2
RFC 3376 IGMP v3
RFC 2710 MLD v1
FRC 3810 MLD v2

Specifications

Product Structure Diagram



DATASHEET

Documentazione tecnica

Documentazione originale del produttore, messa a disposizione da CTS Tecnologie.

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