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28-Port Managed Gigabit Intelligent Ethernet Switch

P/N: ITT-SW4807

Features:

- Can transfer data for network surveillance cameras;
- 24 x 10/100/1000Mbps auto-sensing Ports, 4 x 10/100/1000Mbps SFP Ports, 1 x Console Port;
- Support IEEE802.3/ IEEE802.3i/ IEEE802.3uIEEE802.3ab/ IEEE802.3z, store-and-forward;
- Ethernet port supports 10/100/1000M adaptive ;
- Panel indicator monitoring the status and help failure analysis;
- Fanless design, Natural Cooling, 1U Rack Mount;
- Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication;
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management;

Description:

The ITT-SW4807 28-Port Managed Gigabit Intelligent Ethernet Switch, black iron shell design, built-in DC 12V Power supply, light and simple, with LED indicator on the panel, can dynamically display the connection and operation of equipment, provide simple fault detection methods, and facilitate maintenance and management; this series of switches provide advanced network management functions: redundant ring network, VLAN, cluster, QoS, speed control, port image, fault alarm and firmware online upgrade.

The adaptive port can automatically adapt to the 10m, 100m and 1000m networks, and can automatically adapt to the full duplex or half duplex mode; the MAC address self-learning function ensures error free data transmission; the store and forward mode prevents the damaged packets from flooding in the network; the flow control function can prevent the impact of a large amount of instantaneous data on the network; the port supports MDI/ Mdix auto flip function, non blocking line speed transmission of all ports.

It is mainly located in the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government agencies, community broadband, etc.; it can be widely used in Ethernet access scenarios such as small and medium-sized enterprises, Internet cafes, hotels, schools, etc.

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Technical Parameters:

I/O Interface	
• **Power**	➢ AC 100-240V/50-60Hz
• **Ethernet**	➢ 24*10/100/1000Mbps Ethernet Port ➢ 4*10/100/1000Mbps SFP Port ➢ 1*Console Port

Performance	
• **Bandwidth**	➢ 56Gbps (non-blocking)
• **Packet Forwarding rate**	➢ 41.66Mpps
• **Packet Buffer**	➢ 4M
• **Memory Capacity**	➢ 128MB
• **Flash Capacity**	➢ 16MB
• **MAC Address**	➢ 8K
• **Jumbo Frame**	➢ 9.6Kbytes
• **Transfer Mode**	➢ Store and forward
• **VLANs**	➢ 4096

Standard	
• **Network protocol**	➢ IEEE802.3 (10Base-T) ➢ IEEE802.3u (100Base-TX) ➢ IEEE802.3ab (1000Base-TX) ➢ IEEE802.3z (1000Base-FX) ➢ IEEE 802.1q ➢ IEEE 802.1p(QoS) ➢ IEEE802.3x (Flow control)
• **Industry Standard**	➢ EMI: FCC Part 15 CISPR (EN55032) class A ➢ EMS: EN61000-4-2 (ESD)、EN61000-4-4 (EFT) ➢ Shock: IEC 60068-2-27 ➢ Free Fall: IEC 60068-2-32 ➢ Vibration: IEC 60068-2-6
• **Network Medium**	➢ 10Base-T : Cat3、4、5 or above UTP(≤100m) ➢ 100Base-TX : Cat5 or above UTP(≤100m) ➢ 1000Base-TX : Cat5 or above UTP(≤100m)

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• **optical characteristics**	➤ multi mode：850/1310nm （0-2KM） ➤ Single mode：1310/1550/1490nm （0-120KM）

Protection

• **Security Certificae**	➤ CE、FCC、RoHS

Environment

• **Working Environment**	➤ Working Temperature：-20~50°C ➤ Storage Temperature：-40~80°C ➤ Working Humidity：10%~90%，non-condensing ➤ Storage Temperature：5%~90%，non-condensing ➤ Working Height：Maximum10,000 feet ➤ Storage heigh：Maximum 10,000 feet

Indication

• **LED Indicators**	➤ PWR、SYS、Link、ACT

Mechanical

• **Structure Size**	➤ Product Size：440*208*44.5mm ➤ Package Size：500*275*85mm ➤ Product Net-Weight：2.0kg ➤ Product Gross-Weight：2.6kg
• **Packing Info**	➤ MEAS：520*445*300MM ➤ Packing Qty：5PCS ➤ Packing weight：14 KG
• **Power Voltage**	➤ Input Voltage: AC 100-240 V
• **Package List**	➤ Switch: 1 set ➤ Instruction manual: 1 ➤ Certificate of conformity: 1 ➤ Warranty card: 1 ➤ AC power cord 1 ➤ A pair of hanging ears

Ordering Info

• **ZX-SWG20244S**	➤ 28-Port Managed Gigabit Intelligent Ethernet Switch

Layer 2 Software Function	
• **Port Management**	➢ Enable/Disable Port
	➢ Speed、Duplex、MTU Setting
	➢ Flow-control
	➢ Port Information Check
• **Port Mirroring**	➢ Supports both side-way port mirroring
• **Port Speed Limit**	➢ Supports port-based input / output bandwidth management
• **Port Isolation**	➢ Support the downlink port isolation, and can communicate with the uplink port
• **Storm Suppression**	➢ Supports unknown unicast, multicast, unknown multicast, ➢ broadcast type storm suppression ➢ Storm suppression based on bandwidth regulation and storm filtering
• **Link Aggregation**	➢ Support static manual aggregation ➢ Support LACP dynamic aggregation
• **VLAN**	➢ Access
	➢ Trunk
	➢ Hybrid
	➢ Support port, protocol, MAC-based VLAN partitioning
	➢ Support GVRP dynamic VLAN registration
	➢ Voice VLAN
• **MAC**	➢ Support static addition, deletion
	➢ MAC address learning limit
	➢ Support dynamic aging time setting
• **Spanning tree**	➢ Support STP spanning tree protocol ➢ Supports RSTP Rapid Spanning Tree Protocol ➢ Supports MSTP Rapid Spanning Tree Protocol
• **Multicast**	➢ Support static addition, deletion ➢ IGMP-snooping
	➢ Support MLD-Snooping
	➢ Support v1/2/3 dynamic multicast monitor
• **DDM**	➢ Support SFP/SFP+DDM

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Extended Function

• **ACL**	➢ Based on source MAC, destination MAC, protocol type, source IP, destination IP, L4 port
• **Qos**	➢ Based on 802.1p (COS) classification
	➢ Based on DSCP classification
	➢ Classification based on source IP, destination IP, and port number
	➢ Support SP, WRR scheduling strategy
	➢ Support flow rate limit CAR
• **LLDP**	➢ Support LLDP link discovery protocol
• **User settings**	➢ Add/delete users
• **Log**	➢ User login, operation, status, events
• **Anti-attack**	➢ DOS defense
	➢ Support CPU protection and limits the rate of sending cpu packets
	➢ ARP binding (IP, MAC, PORT binding)
• **Certification**	➢ Support 802.1x port authentication
	➢ Support AAA certification
• **Network diagnosis**	➢ Support ping、telnet、trace
• **System Management**	➢ Device reset, configuration save/restore, upgrade management, time setting, etc.

Management function

• **CLI**	➢ Support serial port command line management
• **SSH**	➢ Support SSHv1/2 remote management
• **TELNET**	➢ Support telnet remote management
• **WEB**	➢ Support Layer 2 settings, Layer 2 and Layer 3 monitor
• **SNMP**	➢ SNMP V1/V2/V3
	➢ Support trap：ColdStart、WarmStart、LinkDown、LinkUp
• **RMON**	➢ Support RMON v1
• **Other functions**	➢ Support DHCP Snooping、Option82

	➢ Support dynamic ARP detection
	➢ Support TACACS+ certification
	➢ Support DNS certification
	➢ Support port security settings
	➢ Support MVR protocol
	➢ Support cable detection VCT function
	➢ Support UDLD protocol