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Ittelecom Optical Technology Co., ltd

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Highlights

- 24GE+4*10G SFP Ports with 24 ports, 4*10G SFP Up-link Ports
- Supply 24*10/ 100/1000M RJ45 adaptive ports, all of which can realize line speed forwarding
- Supply four 10 Gigabit SFP optical fiber uplink ports are provided for high-speed uplink transmission.
- It supports the combined use of multiple types of ports to facilitate the flexible networking of users and meet the networking requirements of various scenarios
- Each port supports MDI / mdix auto flip and duplex / rate self negotiation.
- Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.
- Support Port VLAN(Port isolation)
- LED indicators for LINK/ACT, Power, PoE Status, 100Mbps,1000Mbps,10000Mbps
- 16K entry MAC address table with auto-learning and auto-aging

Product

Description

24GE+4*10G 10 Gigabit uplink three-tier enterprise level multi-functional network management switch is specially optimized and enhanced for enterprise customers, with higher reliability. The equipment adopts Broadcom new generation high-performance platform and hasivo new self-developed switch system; Support flexible 802.1Q VLAN, IGMP, port monitoring, port aggregation, bandwidth control, ring network application and other network management functions, and easily adapt to the current

complex network application environment. It is suitable for hotels, campuses, factory dormitories and enterprises to establish an economic and efficient network.

High Performance Features:

- **IPv6 Support:**
  - Adds a variety of new applications based on IPv6.
  - Easily adapts to modern, complex network management applications.

- **VLAN and QoS Enhancements:**
  - IEEE 802.1Q VLAN support allows users to flexibly create VLANs as needed.
  - Voice VLAN capabilities to prioritize voice data streams and ensure call quality.
  - Comprehensive QoS support, including port-based, 802.1p, and DSCP-based priority modes, to optimize bandwidth usage.

- **Security and Access Control:**
  - ACL (Access Control Lists) for detailed packet filtering, matching rules, processing operations, and time permissions.
  - Flexible security access control policies.

- **Multicast Protocols and Efficiency:**
  - Supports IGMP V1/V2 multicast protocols and IGMP snooping for multi-terminal HD video monitoring and video conference access.
  - Multicast VLAN and filtering to ensure efficient data transmission, saving bandwidth and reducing network load.

- **Monitoring and Maintenance:**

- o Port monitoring to copy data packets from monitored ports to monitoring ports for network oversight.

- o Web interface support for easy management and maintenance of equipment.

- **Network Reliability and Routing:**

  - o Port convergence to significantly increase link bandwidth, enable link backup, and enhance link reliability.

  - o Support for static routing.

  - o STP/RSTP/MSTP spanning tree protocols to prevent layer-2 loops and ensure link backup.

  - o Tree security functions to protect against various forms of malicious attacks.

- **Aggregation and Load Balancing:**

  - o Supports both static and dynamic aggregation to increase link bandwidth.

  - o Facilitates load balancing, link backup, and improved link reliability.

- **Management and Security:**

  - o Diverse management options including web management, CLI (console, telnet), and SNMP (v1/v2/v3).

  - o Encryption methods such as HTTPS, SSL V3, TLSv1, SSHv1/v2 for secure management.

  - o RMON, system logs, and port traffic statistics for network optimization and troubleshooting.

- **Indicators for Monitoring:**

  - o Power indicator (PWR), port status indicator, and system status indicator (sys) for real-time monitoring of the switch's operational status.

Easy to Use

The auto features of this Ethernet switch make installation plug and play and hassle-free. No configuring is required. Auto MDI/MDIX eliminates the need for crossover cables. Auto-negotiation on each port senses the link speed of a network device (10, 100,1000 Mbps) and intelligently adjusts for compatibility and optimal performance.

Specifications

Model	ITT-SW-L3-24G4S+
Fixed Port	24*10/100/1000Base-TX 4*10G SFP+
Console Port	1*console port
Reset Key	1
CPU	400MHz ARM® Cortex™-A9
DDR	2G DDR3 1333MHz
Buffer	Fully integrated 1.5 MB packet buffer
FLASH	64M
RAM	256M
Bandwidth	256Gbps
Packet Forwarding	92.32Mpps
MAC Address	16K
Network Protocol	IEEE 802.3 IEEE 802.3u 100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x

	IEEE 802.3z 1000BASE-X IEEE 802.3ad IEEE 802.3q 、IEEE 802.3q/p IEEE 802.1w、IEEE 802.1d 、IEEE 802.1S STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol
Port Specification	10/100/1000BaseT（X）Auto
Transmission Mode	Store and Forward(full wirespeed)
Transmission Distance	10BASE-T ： Cat3,4,5 UTP(≤250 meter) 100BASE-TX ： Cat5 or later UTP(≤100 meter) 1000BASE-TX ： Cat6 or later UTP(≤1000 meter)
LED Indicator	PWR:Power LED SYS:(System LED) 1~24:(Link LED=10/100M Link、1000M=Gigabit Link） 25 26:（SFP LED）
Power	Built-in power AC 100~240V 50/60HZ MAX Max Current 0.5A Max Power 30W
Operating Temperature/Humidity	-20～+55°C；5%～90% RH Non coagulation
Storage Temperature/Humidity	-40～+75°C；5%～95% RH Non coagulation
Physical size	Product size: 440mm*290mm*45mm Packing size: 515mm*375mm*95mm
N.W/G.W（kg）	2.5kg/2.8kg
Installation type	1U Rack type, 19 "
Lightning protection level	3KV 8/20us； IP30

Certificate	CE mark, commercial；CE/LVD EN60950；FCC Part 15 Class B；RoHS；
Warranty	Whole device for 1 year(Accessories not included)