



AUTOMATION SYSTEMS AND SOLUTION



IND-R-LM-FG-2404-N

28-port Full Gigabit Managed Industrial Ethernet Switch

Features:

- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.
- QoS, Priority mode based on 802.1P, Port & DSCP, queue scheduling algorithm including EQU, SP, WRR & SP+WRR.
- ALC, filter data packet through configuring matching rules, processing operation & time permission, and provide flexible and safe access control.
- IEEE802.1Q VLAN, flexible VLAN division, and QinQ configuration.
- Self-developed power supply, high redundancy design, providing a long term and stable power output.
- The user-friendly panel can show the device status through the LED indicator of PWR, Link.
- IGMP V1/V2 and IGMP Snooping, STP/RSTP/MSTP, Static and dynamic aggregation.

TECHNICAL SPECIFICATIONS

Port Configuration

Total Ports	28
RJ45 ports	24*10/100/1000Base-T RJ45 ports
Uplink	4*100/1000Base-X SFP ports
console	1*Console RS232 (115200,N,8,1)

Chip Parameter

L2+ Network Protocol	Network Management Type IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-X,
Switching Capacity	192Gbps
Forwarding Rate@64byte	41.7Mpps
LED Indicator	Power: PWR (yellow), System :SYS (yellow), Network: Link (yellow), Fiber port: L/A (green)
Reset Switch	Yes, Press and release for 10 seconds to restore factory settings

Physical Parameter

Operation TEMP / Humidity	-40~+75°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C, 5%~95% RH Non condensing
Dimension	440*297*44mm
Net /Gross Weight	<4.7kg / <5.4kg

Power Supply

Total PWR / Input Voltage	60W (AC100-240V)
Power Consumption	Standby<18W, Full load<35W
Power Supply	Built-in power adapter, AC100~240V 50-60Hz 0.56A

Certification & Warranty

Port Lightning Protection/ Protection Level	Lightning protection: 6KV 8/20us, Protection level: IP40 IEC61000-4-2(ESD), IEC61000-4-3(RS),IEC61000-4-4(EFT), IEC61000-4-5(Surge), IEC61000-4-6, IEC61000-4-8, IEC61000-4-9, IEC61000-4-10, IEC61000-4-12/18, IEC61000-4-16, FCC Part 15/CISPR22(EN55022)
Mechanical Properties	IEC60068-2-32 (free fall) IEC60068-2-27 (anti shock) IEC60068-2-6 (anti vibration)
Certification	CCC, CE mark, commercial, CE/LVD EN60950, FCC Part 15 Class B, RoHS
Warranty	5 years, lifelong maintenance.

Network Management Features

Interface	IEEE802.3X (Full-duplex)
Layer 3 Features	L2+ Network management ,IPV4management, Static route, Default route @ 128 pcs, APR @ 1024 pcs Trunk, Hybrid
VLAN	VLAN based on MAC,VLAN based on the protocol
Port Aggregation	LACP, Static aggregation
Spanning Tree	STP (IEEE802.1d),RSTP (IEEE802.1w),MSTP (IEEE802.1s)
Port Mirroring	Bidirectional data mirroring based on port
QoS	8*Output queues of each port 802.1p/DSCP priority mapping
Security	ARP inspection, Anti-DoS attack AAA & RADIUS, IEEE802.1X & MAC authentication, Broadcast, IP-MAC-VLAN-Port binding SSH 2.0,SSL, Port isolation, ARP
Management	Web Management (HTTPS) NTP, Ping Test, Console/AUX Modem/Telnet/SSH2.0 CLI Download & Management on FTP, TFTP, SFTP,SNMP V1/V2C/V3, ONV NMS - Smart NMS Platform (LLDP+SNMP)



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