



# AUTOMATION SYSTEMS AND SOLUTION

## IND-D-M-FG-2004-N

### 24-Port Full Gigabit Managed Industrial Ethernet Switch



## Features:

- Web management, CLI command line (Console, Telnet), SNMP (V1/V2/V3), HTTPS, SSLV3, and SSHV1/V2.
- CPU monitoring, memory monitoring, Ping test, and cable diagnose.
- Low power consumption, fan-less design, aluminum shell.
- ALC, filter data packet through configuring matching rules, processing operation & time permission, and provide flexible and safe access control.
- QoS, Priority mode based on 802.1P, Port & DSCP, queue scheduling algorithm including EQU, SP, WRR & SP+WRR.
- Support G.8032 ERPS ring network protocol (self-healing time <20ms), RSTP, STP and MSTP are used for Ethernet ring network redundancy.

# TECHNICAL SPECIFICATIONS

## Port Configuration

Total Ports	24
RJ45 ports	20*10/100/1000Base-T (Data)
Uplink console	4*100/1000Base-X uplink SFP slot 1 * RS232 port

## Chip Parameter

L2+	Network Management Type
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-X, IEEE802.3x
Switching Capacity	256 Gbps
Forwarding Rate@64byte	35.71 Mpps
LED Indicator	Power: PWR (green), System : SYS(green), Network: Link (yellow), fiber port: L/A (green)
Reset Switch	Yes, One-button factory reset

## Power

Working Voltage	12-48 VDC, 6 Pin industrial Phoenix terminal, support anti-reverse protection.
Power Consumption	Standby<20W, Full load<30W

## Physical Parameter

Operation TEMP / Humidity	-40~+80°C;5%~90% RH Non-condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non-condensing
Dimension (L*W*H)	166*149*89mm
Net /Gross Weight	<2.2kg / <2.8kg

## Network Management Features

Layer 3 Features	L2+ network management ,IPV4/IPV6 management, L3 soft routing forwarding, Static route, Default route @ 128 pcs, APR @ 1024 pcs
VLAN	4K VLAN based on port, IEEE802.1q
Spanning Tree	STP (IEEE802.1d),RSTP (IEEE802.1w),MSTP (IEEE802.1s)
Industrial Ring Network Protocol	G.8032 (ERPS),Recovery time less than 20ms 255 Ring at most, Max 1024 devices per ring.
Port Mirroring	Bidirectional data mirroring based on port Category 5 Ethernet network cable
System	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; TCP/IP, network adapter, and network operating system

## Certification & Warranty

Lightning protection / protection level	Lightning protection: 6KV 8/20us; Protection level: IP40
Certification	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS;
Warranty	5 years , lifelong maintenance.



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