



AUTOMATION SYSTEMS AND SOLUTION



IND-D-M-FG-1204-N

16-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

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|-------------|----------------------------------|
| Total Ports | 16 |
| RJ45 ports | 12*10/100/1000Base-T (Data) |
| Uplink | 4*100/1000Base-X uplink SFP slot |
| console | 1 * RS232 port |

Chip Parameter

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|------------------------|--|
| 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 | 23.81 Mpps |
| LED Indicator | Power: PWR (green), System : SYS(green), Network: Link (yellow), fiber port: L/A (green) |
| Reset Switch | Yes, Press and hold the reset switch for 10s and release it to restore the factory settings |

Power

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|-------------------|--|
| Working Voltage | 12-48 VDC, 6 Pin industrial Phoenix terminal, support anti-reverse protection. |
| Power Consumption | Standby<10W, Full load<22W |

Physical Parameter

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|---------------------------|------------------------------------|
| 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*148*54mm |
| Net /Gross Weight | <1.2kg / <1.5kg |

Network Management Features

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|----------------------------------|--|
| 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 250 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

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|---|--|
| 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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Systems & Solution

T-12, 3rd Floor, Pankaj Central Market, I.P. Extension, Patparganj, Delhi - 110 092
PH.NO: +91 11 41709077 / 22232187, Email.ID: infoautomation18@gmail.com
Web: www.automationsystem.in