MELBYE

RAYCORE

Q3-S339 V1.3E

Specification of Manageable Gigabit Industrial Ethernet Switch, 4 Ports 1000Base-X and 8 Ports 10/100/1000Base-T (with PoE/without PoE)

Part Number: ADSM-2T84-00x0E-00

This DIN rail Industrial Ethernet Switch contains 4 ports 1000Base-X and 8 ports 10/100/1000Base-T with PoE function. Through the heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/ low temperature resistance and lightning protection. Support Ethernet Ring Protection Switching (ERPS) to enhance not only the flexibility of the network but also the reliability and security of the industrial network. It can meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments better.

Specifications

Interface

- TP
  - ➢ RJ-45 Port: 10/100/1000Base-T 8 Ports (Port 1~Port 8: with PoE)
- Fiber
  - ➢ Fiber Port: 1000Base-X 4 Ports

Standard compliance

- Support IEEE 802.3 10BASE-T
- Support IEEE 802.3u 100BASE-TX
- Support IEEE 802.3ab 1000BASE-T
- Support IEEE 802.3z 1000BASE-X
- Support IEEE 802.3x Flow Control
- Support IEEE 802.3af/at PoE
- Support IEEE 802.1d STP
- Support IEEE 802.1w RSTP
- Support IEEE 802.1s MSTP
- Support IEEE 802.1X Port-based Network Access Control

Management

- Console Port
- Web/GUI
- Telnet/CLI
- Support SNMP v1, v2c, v3
- Support User Management
- Support System Log
- Support Configuration File Download/Upload
- Support Firmware Upgrade

Security and Authentication

- Support ERPS
- Support Link Aggregation for 12 groups
- Support IGMP Snooping
- Support Port Mirroring
- Support Storm Control
- Support Interface Counters
- Support Q in Q
- Support QoS
    - Support QoS re-marking, priority mapping
    - Support SP, WRR queue scheduling
    - Support ingress rate-limited, egress rate-limited
    - Support Policy-based QoS
- Support ACL
    - Support ACL 500
    - Support IP standard ACL
    - Support MAC expand ACL
    - Support IP expand ACL

Hardware

- LED Indicators:
  - PWR: Green LED; On (Powered), Off (Unpowered),
    Flash (under-voltage alarm, input < DC10V)
  - NMC: Green LED; On (Have embedded module and initializing status),
    Flash (Data processing by console/RS232/RS485)
  - Port Speed (Port 1~Port 8): Yellow LED (1000M), Off LED (10/100M)
  - Port Status (Port 1~Port 12):
    Green LED (Connected), Off LED (Unconnected),
    Flash (Data processing)
- Reset: Long press (>20sec) to restore factory set-up/restart
- Support 8M Packet Buffer
- Support 16K MAC Address Table
- Support 10K bytes Jumbo Frame
- Support 4K VLAN
- Support MAC Authentication
- Support Relay Alarm
- Support Flow Control
- Support Auto MDI/MDIX auto-crossover for TP ports
- Support Dying Gasp

PoE (Optional)

- PoE Port: Port 1~8
- PoE Pin Assignment: 1, 2, 3, 6
- PoE Management

EMC & Ingress Protection

- IP Level: IP50
- Surge Protection of Power: IEC 61000-4-5 Level X (10KV/10KV) (8/20us)
- Surge Protection of Ethernet Port: IEC 61000-4-5 Level X (6KV/4KV) (10/700us)
- RS: IEC 61000-4-3 Level 3 (10V/m)
- EFI: IEC 61000-4-4 Level 3 (1V/2V)
- CS: IEC 61000-4-6 Level 3 (10V/m)
- PFMF: IEC 61000-4-8 Level 4 (30A/m)
- DIP: IEC 61000-4-11 Level 3 (10V)
- EMI: Class B
- ESD: IEC 61000-4-2 Level 4 (8K/15K)
- Free Fall: 0.5m

Environmental & Physical

- Installation: DIN rail
- Dimension: 143mm x 104mm x 65mm (WxDxH)
- Weight: 0.88kg
- Operating Temperature: -40°C ~ +75°C
- Storage Temperature: -40°C ~ +85°C
- Humidity: 5-95% non-condensing
- Power Interface: Phoenix terminal, dual power supply
- Input Voltage: DC12-58V (Non PoE)；DC48-58V (PoE)
- Power Consumption: Non PoE < 10W; PoE < 250W (Stop PoE power supply when overload)
- Compliance: RoHS
- Certification: CE/ FCC
- MTBF: 100,000 hours

Ordering Information

Part Number	Description
ADSM-2T84-0010E-00	Manageable Industrial Ethernet Switch, 4 Ports 1000Base-X and 8 Ports 10/100/1000Base-T with PoE
ADSM-2T84-0000E-00	Manageable Industrial Ethernet Switch, 4 Ports 1000Base-X and 8 Ports 10/100/1000Base-T without PoE