



Features

- 8 x IEEE 802.3 af/at PoE Gigabit ports + 4 SFP ports (26P1840300E)
- 8 x Gigabit ports + 4 SFP ports (261840300E)
- SFP socket for Easy and Flexible Fiber Expansion
- Redundancy: X-Ring Pro (ultra high-speed recovery time < 20 ms), RSTP/STP (802.1w/1D)
- IXM function enables fast deployment
- Security: 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption), RADIUS
- Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB, Private MIB
- NEMA TS2 for Traffic Control
- EN50121-4 approval for Railway trackside deployment
- -40 ~ 75°C wide-range operating temperature
- Dual 48V_{DC} power input and 1 relay output

Specifications

Interface

- ▣ I/O Port 8 x 10/100/1000Base-T/TX RJ-45 4x SFP (mini-GBIC) port
- Console port RS-232 (RJ45)
- Power Connector 6-pin screw Terminal Block (including relay)

Physical

- Enclosure Metal Shell
- Protection Class IP30
- Installation DIN-Rail
- ▣ Dimensions (W x H x D) 74 x 152 x 105 mm (2.91" x 5.98" x 4.13")

LED Display

- System LED PWR1, PWR2, SYS, Alarm and R.M.
- Port LED Link/Speed/Activity

Environment

- Operating Temperature -40 ~ 75°C (-40 ~ 167°F)
- Storage Temperature -40 ~ 85°C
- Ambient Relative Humidity 10 ~ 95% (non-condensing)
- Humidity 10 ~ 95% (non-condensing)

Power

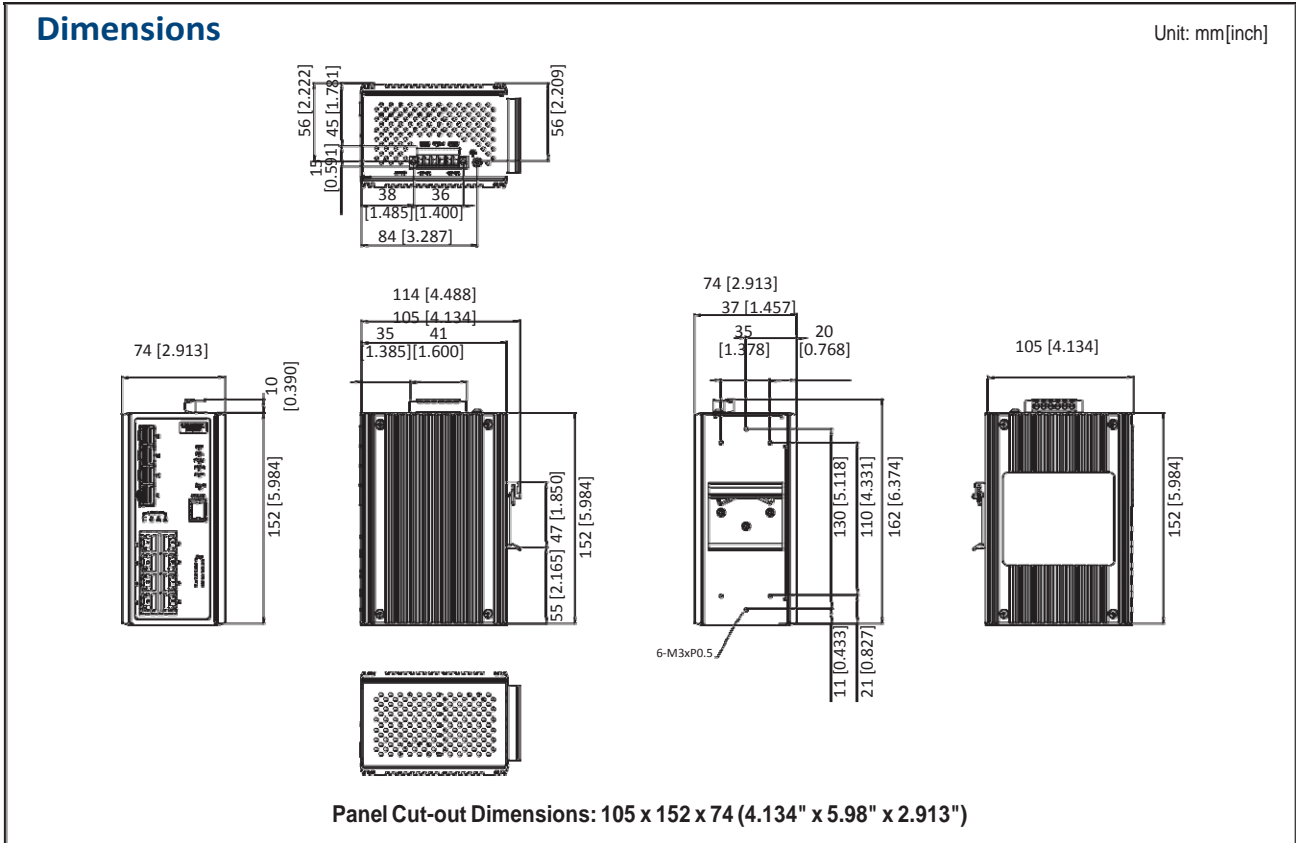
- Power Consumption 12.1W @ 48V_{DC}
- Power Input no PoE 12-48V_{DC}
- Power Input PoE 48V_{DC} (46 to 57V_{DC}) / 53-57 V_{DC} is recommended for 802.3at, redundant dual power input
- Power Budget 240W
- Fault Output 1 Relay Output

Certification

- EMI CE, FCC Class A
 - ▣ Safety UL61010-2-201 IEC60950*
 - ▣ EMC EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN50121-4
 - ▣ Shock IEC 60068-2-27
 - Freefall IEC 60068-2-32
 - Vibration IEC 60068-2-6
 - Traffic Control NEMA TS2
- *= Compliant

L2 Features

- L2 MAC Address 8K
- Jumbo Frame 9216 Bytes
- VLAN Group 256 (VLAN ID 1~4094)
- VLAN Arrange Port based VLAN, Q-in-Q (VLAN Stacking), GVRP
- Port Mirroring Per port, Multi-source port,
- IP Multicast IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
- Storm Control Broadcast, Multicast, Unknown unicast
- Redundancy IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring Pro, with ultra high-speed recovery time less than 20ms



QoS

- **Priority Queue Scheduling** WRR (Weighted Round Robin), SP (Strict Scheduling Priority) Hybrid Priority
- **Class of Service** IEEE 802.1p Based CoS, IPTOS, DSCP based CoS
- **Rate Limiting** Ingress Rate limit, Egress Rate limit
- **Link Aggregation** IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking

Security

- **Port Security** Static, Dynamic
- **Authentication** 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)

Management

- **DHCP** Client, Server, Option 66/67/82
- **Access** SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB, Private MIB
- **Security access** SSH2.0, SSL
- **Software upgrade** TFTP, HTTP, Dual Image
- **NTP** SNTP client

Ordering Information

- **261840300E** 8GE+4SFP Port Managed Ethernet Switch
- **26P1840300E** 8GE+4SFP Port Managed PoE Ethernet Switch