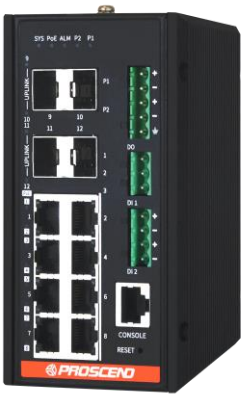
850G-12PI



Industrial 12-Port GbE Managed PoE Switch with 4 GbE SFP Uplinks

Introduction

Proscend 850G-12PI Industrial Ethernet Switch features friendly manageability in full Gigabit Ethernet networks, as well as 1000Mbps Ethernet speed over copper and fiber for enabling quality of services, network security, and resilience. As a result, the 850G-12PI is the perfect solution for reducing network response time for mission-critical applications such as video security, transportation, energy, etc.

The 850G-12PI features 8 Gigabit PoE ports, each of the 10/100/1000Base-T ports with Power-over-Ethernet power source is IEEE802.3af/at compliant and provides an additional 4 SFP slots are used to work with SFP (Small form-factor pluggable) fiber transceivers to scale out modern industrial networks with the ring, daisy chain, or tree topologies.

Features

- Operating temperature -40°C ~ 75°C
- Support IEEE 802.3at/af PoE
- Support ERPS Ring failover protection
- Support Spanning Tree Protocol STP/RSTP/MSTP.
- Support IPv6 manageable
- Support Jumbo frames
- DIN-rail mounted

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Specifications

Interfaces

- 8 x 10/100/1000BASE-T (RJ45)
- 4 x 100FX/GbE SFP
- 1 x RJ45 console port
- 1 x Reset button
- 1 x 5-pin Terminal Block for Power in
- 1 x 3-pin Terminal Block for DO
- 1 x 4-pin Terminal Block for DI

Network Resilience

- IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP
- LACP: Static trunk

Protocols & Security

- Port-based VLAN
- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- IEEE 802.1p QoS, IGMP snooping, Port-based traffic shaping
- IP and MAC-based access control
- IEEE 802.1X authentication Network Access Control
- Multicast, Broadcast, Flooding Strom Control
- DoS, Dynamic ARP Inspection, DHCP Snooping, IP Source Guard

Mechanical

- Dimension (H x D x W): 134 x 124 x 73 mm
- Weight:1000g
- DIN-rail and Wall mounted
- Aluminum & Metal: IP40

Management

- Web-based Management, HTTP/HTTPS, Console, CLI, Telnet, SSH
- SNMP v1, v2c, v3, Syslog
- HTTP/TFTP firmware upgrade
- SNTP
- PoE scheduling, power control

Power

- Input: 48V~57VDC
- System power consumption: 13 W
- PoE Power Budget: 240W

LED Indicators

- Power input, System Alarm
- Ethernet LAN Port Link & Speed, SFP Port Link
- PoE power output

Environment & Regulatory Compliance

- Operation temperature: -40 to +75°C
- Storage temperature: -40 to +85 °C
- Humidity (non-condensing): 10 to 95% RH EMC Class A
- Emission (EMI/EMS): CE/FCC class A,
- EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8
- Safety: ETL EN62368
- Shock: IEC60068-2-27
- Freefall: IEC60068-2-32
- Vibration: IEC60068-2-6
- MTBF: > 1,000,000 hours@25 degree C

Standards and Certifications

- CE&UKCA
- FCC

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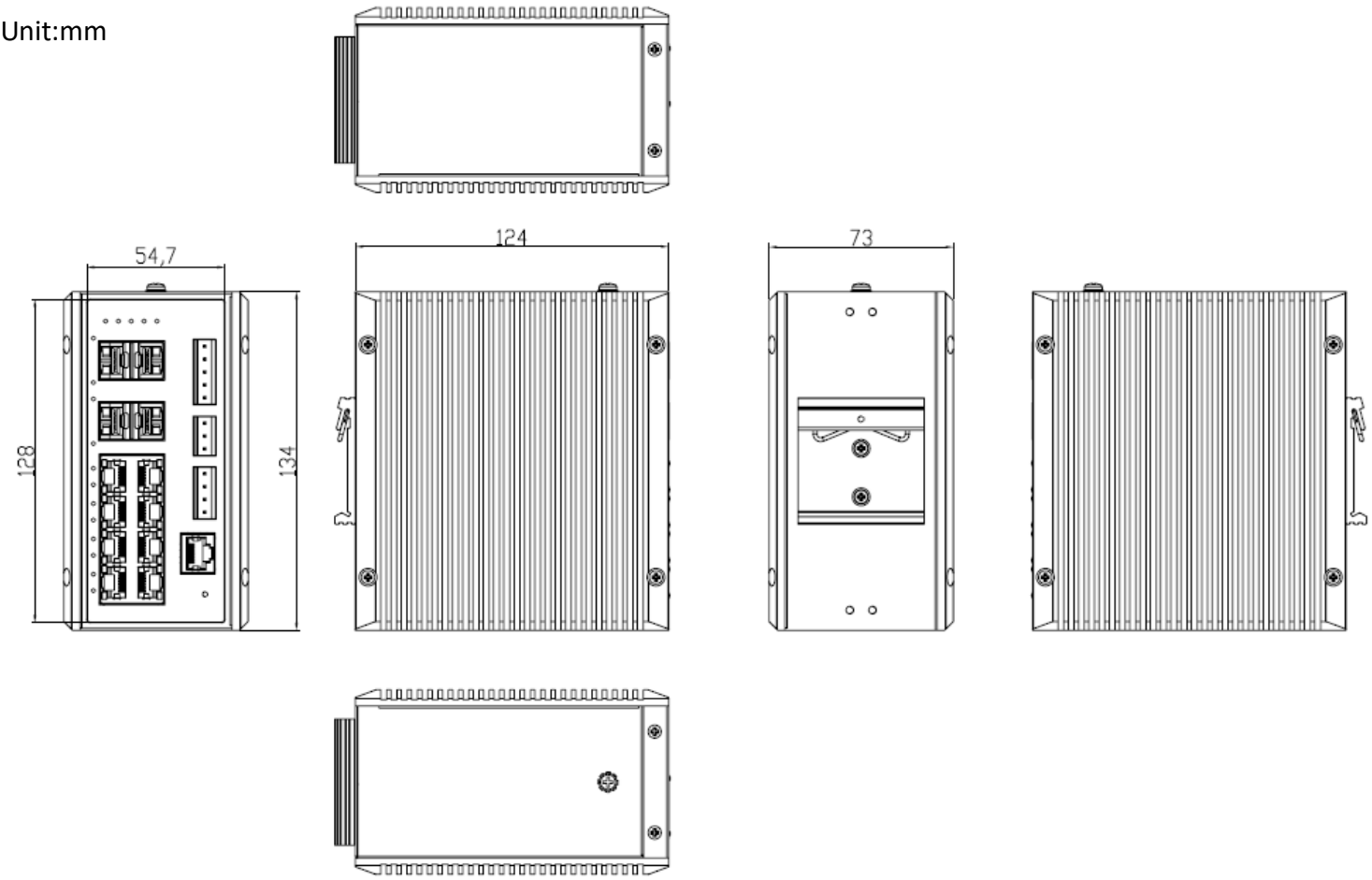
Dimensions

Unit:mm



Ordering Information

Model Name	Description
850G-12PI	Industrial 12-Port GbE Managed PoE Switch with 4 GbE SFP Uplinks

NOTE: Features and specifications are subject to change without prior notice.

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