

850G-10I Industrial Ethernet Switch

Introduction

Proscend 850G-10I 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. The 850G-10I is the perfect solution for reducing network response time for mission-critical applications such as video security, transportation, energy, etc.



The 850G-10I supports 8 10/100/1000Base-T ports and 2 SFP slots working with SFP (Small form-factor pluggable) fiber transceivers to scale out modern industrial networks with the ring, daisy chain, or tree topologies.

Features

- Embedded dashboard for real-time device monitoring
- Embedded topology map and friendly management on neighboring devices
- Operating temperature -10°C ~ 70°C
- ERPS Ring failover protection
- Jumbo Frames
- DIN-rail mounted

Specifications

Interfaces

- 8 x 10/100/1000BASE-T (RJ45)
- 2 x 100FX/GbE SFP
- DIP Switch
- 6-PIN Terminal Block

Standards

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX/FX
- IEEE 802.3ab 1000BASE-T Ethernet
- IEEE 802.3z 1000BASE-SX/LX
- IEEE 802.3x Flow Control
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.1Q VLAN Tagging
- IEEE 802.1p Class of Service
- IEEE 802.1x Port Authentication
- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- IEEE 802.1AB LLDP-MED
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- IEEE 802.1D STP

Performance

- Jumbo Frame Size: 10KBytes
- MAC Table Entries: 8K
- Switch Fabric: 20Gbps

Reliability

- STP/RSTP
- ERPS v1/v2
- Code redundancy

Management

- HTTP, HTTPS, CLI, Telnet, SSH
- SNMP v1, v2c, v3, Trap, Syslog,
- Management VLAN
- LLDP
- Web Firmware Upgrade, SNTP, DHCP Client
- Port Mirroring

VLAN

- 802.1Q VLAN
- Port-based VLAN (Port Isolation)

Traffic Control

- 802.1p QoS, Flow Control, Traffic Monitor
- Storm Control, Port Isolation, Loop Detection
- Storm alarm threshold per port

Security

- ACL
- Port Security (MAC limit)
- Port-based 802.1X
- BPDU Guard / Filter, ROOT Guard
- Trusted Managed Host

Mechanical

- Dimension (H x D x W): 116 x 100 x 50 mm
- Weight: 550g
- DIN-rail
- Metal IP30

Power

- Dual power inputs, 24~48 VDC
- System power consumption: 11W
- Alarm relay output: 1A @ 24 VDC

LED Indicators

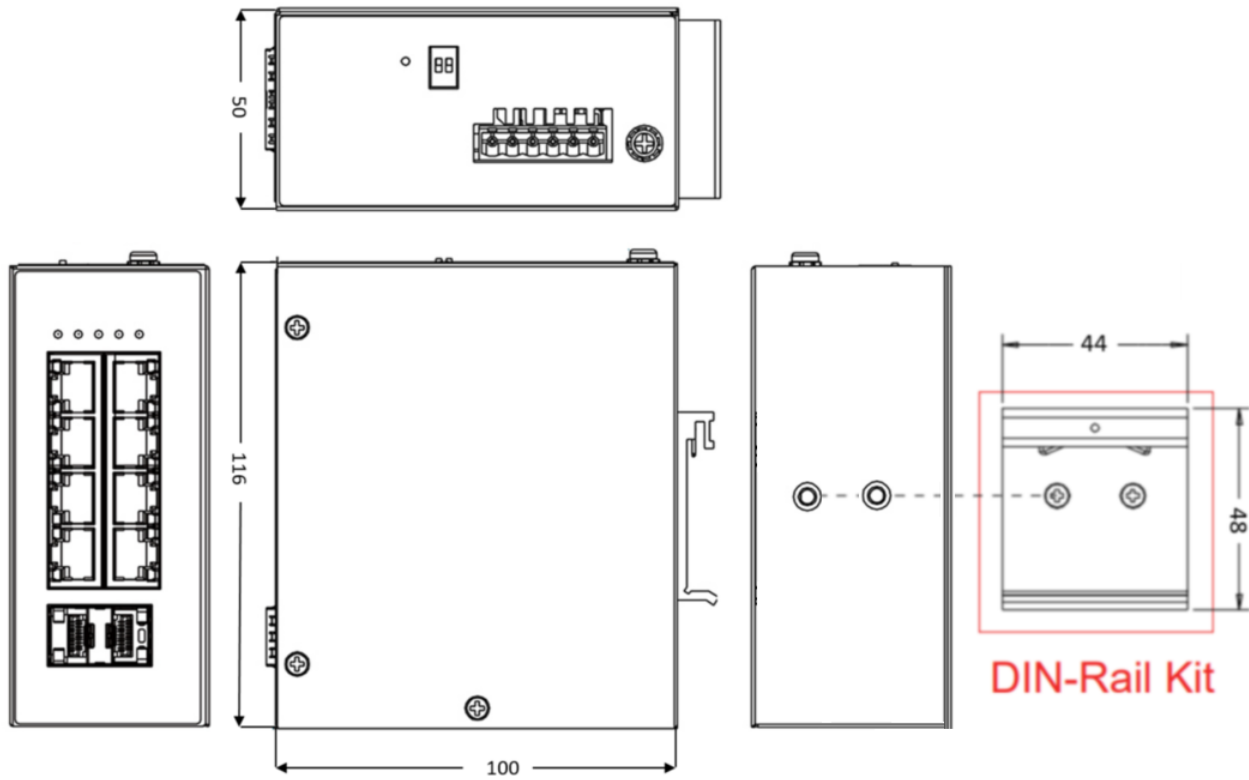
- Power input, Alarm
- Ethernet LAN Port Link & Speed, SFP Port Link

Environment & Regulatory Compliance

- Operation temperature: -10 to +70°C
- Storage temperature: -40 to +85 °C
- Humidity (non-condensing): 5 to 95% RH
- Vibration, Shock & Freefall: IEC68-2-6, -27, -32
- EMI: FCC Part 15 Subpart B Class A, EN 55032 (class A), EN55011 (2009 class A), EN 61000-6-4
- EMS: EN 55035, EN 61000-6-2, EN 61000-4-2 (ESD), EN 61000-4-3 (RS), EN 61000-4-4 (Burst), EN 61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8 (PFMF)

Dimensions

Unit: mm



Ordering Information

Model Name	Description
850G-10I	Industrial 10-Port GbE Managed Switch (GbE x 8, GbE SFP x 2)

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