850G-12I

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

Introduction

Proscend 850G-12I 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-12I is the perfect solution for reducing network response time for mission-critical applications such as video security, transportation, energy, etc.

The 850G-12I supports 8 10/100/1000Base-T ports and 4 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.
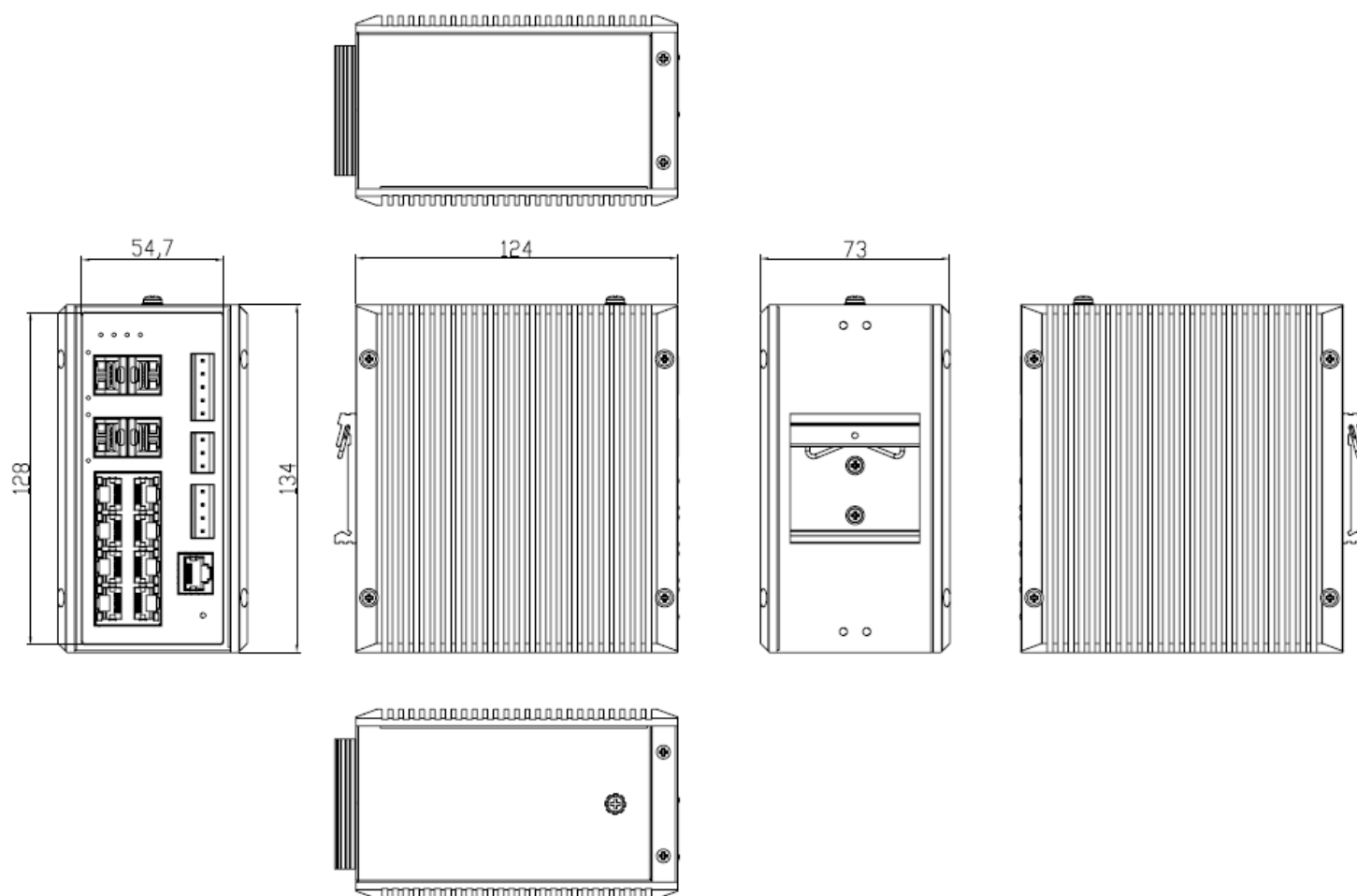
Features

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

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** - IEEE 802.1Q 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: 950g - 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 **Power** - Input: 12V~57VDC - System power consumption: 13 W **LED Indicators** - Power input, System Alarm - Ethernet LAN Port Link & Speed, SFP Port Link **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: > 25 years @25°C **Standards and Certifications** - CE&UKCA - FCC

Dimensions

Unit:mm

Ordering Information

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

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