

850G-10P

10-Port GbE Managed PoE Switch with 2 GbE SFP Uplinks



Introduction

Proscend 10-Port GbE Managed PoE Switch with 2 GbE SFP Uplinks 850G-10P is a commercial 10-port managed Ethernet switch designed for SMB, office, building system, IP surveillance, and general enterprise edge networks. Equipped with eight GbE PoE RJ45 ports, IEEE 802.3af/at PoE+ capability, a 140 W PoE power budget, and two GbE SFP uplinks, it provides reliable Gigabit data and power connectivity for IP cameras, wireless access points, and other commercial edge devices while enabling flexible fiber uplink expansion for access-to-aggregation network deployment.

With support for the 140 W PoE power budget, SFP fiber uplinks, and Layer 2 traffic control features such as VLAN, QoS, STP/RSTP/MSTP, Link Aggregation, IGMP/MLD Snooping, and SNMP-based monitoring, the switch helps improve network availability, traffic control, and operational efficiency. Its commercial deployment value makes it a practical solution for office networks, building systems, IP surveillance backbones, and SMB edge networks that require managed Gigabit switching, simplified power delivery, and cost-effective copper and fiber network expansion.

Features

- Supports IGMP/MLD Snooping for efficient multicast traffic control
- Enhances network access control with RADIUS, TACACS+, AAA, ACL, and Port Security
- Helps protect access networks with DHCP Snooping, Dynamic ARP Inspection, and IP Source Guard
- Simplifies administration with Web-based management, SNMP, and RMON monitoring
- Provides Jumbo frame support and 20 Gbps switching capacity for high-throughput data transmission
- Designed with fanless operation for quiet and reliable commercial deployment

Specifications

Interfaces

- 8 x GbE PoE RJ45 ports
- 2 x GbE SFP uplinks
- 1 x Reset button for system reboot and factory default restoration

Standards

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x Flow Control
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.3af PoE, IEEE 802.3at PoE+

Network Resilience

- STP/RSTP/MSTP
- Link Aggregation
- LACP
- UDLD

Protocols & Security

- VLAN, Voice VLAN, Protocol VLAN, MAC VLAN, Surveillance VLAN, and GVRP
- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- IEEE 802.1p QoS and rate limiting
- IGMP Snooping and MLD Snooping
- RADIUS, TACACS+, and AAA authentication
- MAC, IPv4, and IPv6 ACL
- Storm Control
- DoS protection
- Dynamic ARP Inspection, DHCP Snooping, IP Source Guard
- Port Security and protected port
- Jumbo frame support

Mechanical

- Dimension: 265(W) x 184(D) x 44(H) mm
- Weight: 1700 g
- Rack mounting
- Metal Housing
- Fanless design

Management

- HTTP, HTTPS, Telnet, SSH
- SNMP v1, v2c, v3, Syslog, RMON
- SNTP
- Firmware/configuration upgrade and backup via TFTP/HTTP
- Ping, traceroute, copper test, and fiber module diagnostics
- PoE scheduling, power control

Power

- Internal power supply
- Input: 100 to 240 VAC
- Output: 180 W
- PoE power budget: 140 W
- PoE output: up to 30 W per port
- PoE pin-out: Alternative A (pins 1,2/3,6)

LED Indicators

- PWR/SYS LED
- RJ45 port link/activity and PoE status LED
- PoE alert LED
- SFP port link/activity LED

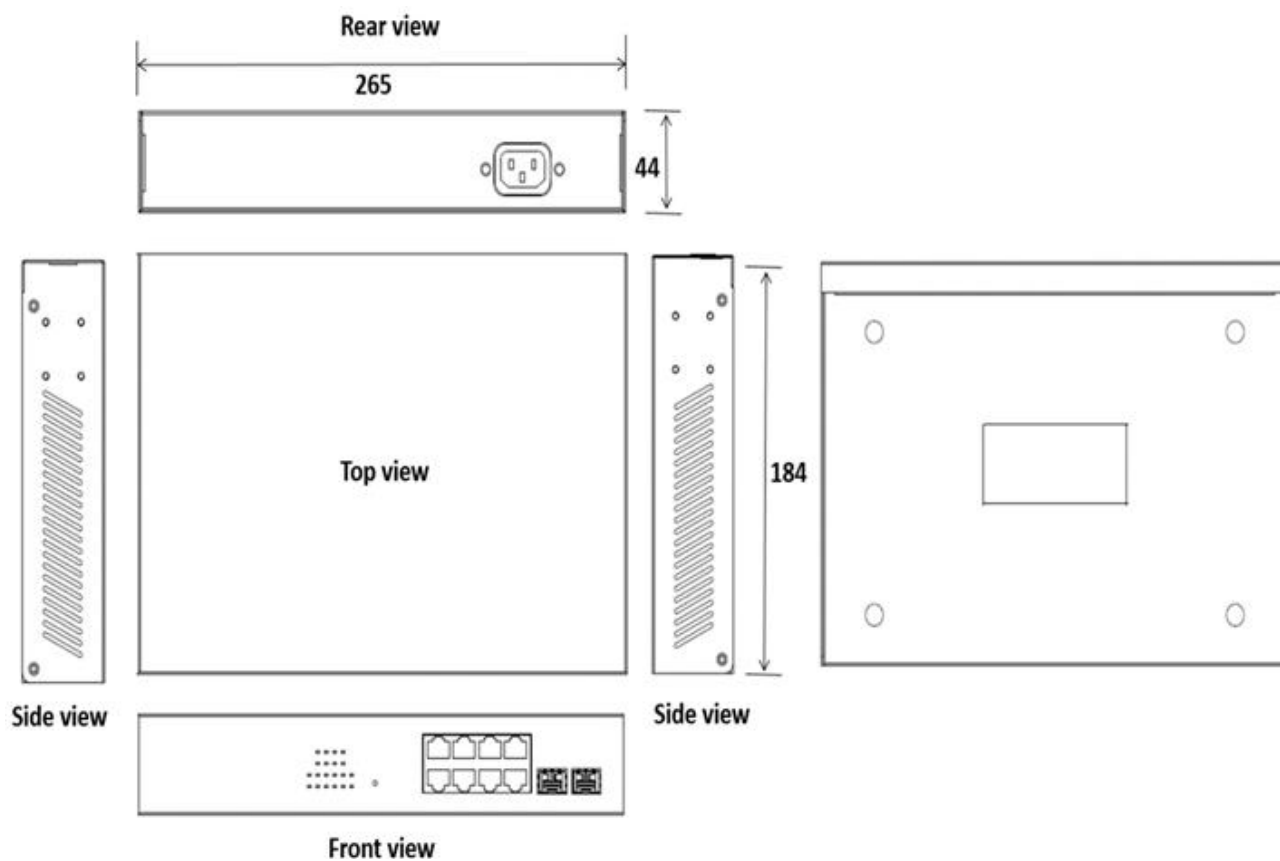
Environment & Regulatory Compliance

- Operating temperature: -5°C to 50°C
- Storage temperature: -40°C to 70°C
- Operating humidity: 10% to 90% RH, non-condensing
- Storage humidity: 5% to 90% RH, non-condensing
- Safety: EN 62368-1
- EMI: AS/NZS CISPR 32, FCC 47 CFR Part 15 Subpart B, ICES-003
- EMC: EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3
- RoHS (Pb free) and REACH compliant
- 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.