EX26262F Series

Managed 24-port Gigabit PoE +2-port 100/1000 SFP Combo Ethernet Switch

Highlights

High Surge Protection

- Provides 6kV surge protection on copper ports

L3 routing

- Supports IPv4/IPv6 L3 static route

370W PoE Power Budget

- Comply with IEEE802.3at Power over Ethernet (PoE), Up to 30 Watts PoE output per port.
- Maximum PoE power budget of 370 Watts

Full suite of L2 features for optimized network performance

- Comprehensive QoS based on 802.1p, DSCP, and IP precedence
- High availability based on RSTP/MSTP/LACP
- Integrated port security with ACL and 802.1x

Overview

EtherWAN's EX26262F provides a 26-port switching platform with support for IEEE802.3at Power over Ethernet, high performance switching, and the advanced management features required for enterprise environments.

Equipped with 24 10/100/1000BASE-T PoE ports, in combination with 2 100/1000 SFP Combo options, the EX26262F is feature-rich, with 9216 Bytes Jumbo Frame support, full wire speed Gigabit throughput, and QoS support.

The PoE ports provide up to 30 Watts per port, with a total power budget of 370 Watts, allowing the switch to operate a wide variety of Powered Devices with different bandwidth and power consumption requirements. These include IP cameras, wireless access points, IP phones, and other PoE devices.

Robust management features include port security, IGMP snooping, VLANs, GARP protocols, and LACP, as well as SNMP & RMON. An intuitive GUI for web management simplifies switch configuration, status monitoring, and maintenance effort.

EtherWAN — "When Connectivity is Crucial."

Features

Management

- **Interface**
  - CLI, Telnet and Web Browser
  - SNMP v1/v2c/v3
- Firmware and configuration upgrade and backup via TFTP
- LLDP / LLDP-MED
- Supports DHCP Server/Client
- RMON (Remote monitoring): group 1, 2, 3, 9
- Port mirroring: TX/RX and both

Security

- SSHv1/v2 for CLI and Telnet security
- SSL for web security
- RADIUS and TACACS+ authentication

- IEEE802.1x LAN access control
- Storm control (broadcast and multicast)
- Port Security: Locks MAC addresses to ports
- IP Source Guard: Prevents illegal IP address from accessing to specific port in the switch.
- DHCP Snooping: Allows DHCP offer from trusted DHCP servers only.
- ACLs: Supports up to 256 entries. Drop or rate limitation based on:
  - Source and destination MAC, VLAN ID or IP address, protocol, port
  - Differentiated services code point (DSCP) / IP precedence
  - TCP/ UDP source and destination ports
  - 802.1p priority
  - Ethernet type
  - Internet Control Message Protocol (ICMP) packets
  - TCP flag

Quality of Service (QoS)

- Priority Queues: 8 queues per port
- Traffic classification based on IEEE802.1p CoS, DSCP
- Schedule base on WRR (Weighted round robin) and strict mode.
- Rate Limiting (Ingress/Egress)

Layer 2 Features

- Flow Control
  - IEEE802.3x full duplex mode
  - Back-Pressure half duplex mode
- **Redundant Protocol**
  - IEEE802.1D Spanning Tree Protocol (STP)
  - IEEE802.1w Rapid Spanning Tree Protocol (RSTP)
  - IEEE802.1s Multiple Spanning Tree Protocol (MSTP)
- **VLANs**
  - Supports up to 4K VLANs simultaneously (out of 4096 VLAN IDs)
  - Port-based VLAN
  - 802.1Q tag-based VLAN
  - MAC-based VLAN
  - Management VLAN
  - Private VLAN Edge (PVE)
  - Q-in-Q (double tag) VLAN
  - Voice VLAN
  - GARP VLAN Registration Protocol (GVRP)
- **Link Aggregation**
  - Static trunk (13 groups, 4 ports per group)
  - IEEE802.3ad Link Aggregation Control Protocol
- **IGMP Snooping**
  - IGMP snooping v1/v2/v3
  - Supports 1024 multicast groups

Layer 3 Features

- IPv4 Unicast: Static routing
- IPv6 Unicast: Static routing

Performance

- Switching Capability: 52Gbps
- MAC Address Table: 8K
- Jumbo Frame: 9216 Bytes
- Buffer size: 512KB

Specifications

Technology

- **Standards**
    - IEEE802.3 10BASE-T
    - IEEE802.3u 100BASE-TX/100BASE-FX
    - IEEE802.3ab 1000BASE-T
    - IEEE802.3z 1000BASE-SX/1000BASE-LX
    - IEEE802.3x Full duplex and flow control
    - IEEE802.1p QoS
    - IEEE802.1Q Tag VLANs
    - IEEE802.1s MSTP
    - IEEE802.1w RSTP
    - IEEE802.1x Port-based Network Access Control
    - IEEE802.1ab LLDP
    - IEEE802.3ad LACP
    - IEEE802.3at Power over Ethernet
    - IEEE802.3az EEE Energy Efficient Ethernet
- **Forward and Filtering Rate**
    - 14,880pps for 10Mbps
    - 148,810pps for 100Mbps
    - 1,488,100pps for 1000Mbps

Power

- **Input**
    - 100 to 240VAC, 50/60Hz
- **Power Consumption**
    - Device: Max. 25W (without PoE)
    - PoE power budget: 370W
- **PoE Power Output**
    - IEEE802.3at: up to 30W/port, 50VDC, 600mA

Mechanical

- **Casing**
    - Metal Case
- **Dimensions**
    - 442 x 211 x 44mm (W x D x H)
      (17.4"x 8.3"x 1.7")
    - Standard 19" rack-mount size, one-unit-height
- **Weight**
    - 3.3Kg (7.26lbs.)
- **Installation**
    - Rack mounting

Interface

- **Ethernet Port**
    - 10/100/1000BASE-T: 24 ports
    - 100/1000 SFP: 2 ports
- **LED Indicators**
    - Per Unit: System
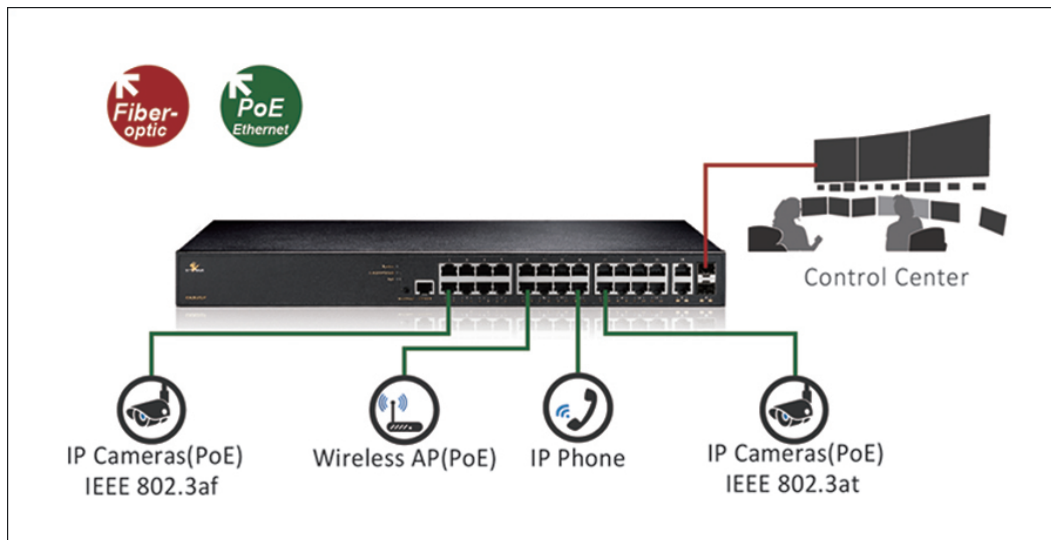   - Per Port: Link/ACT/Speed, PoE

Environment

- **Operating Temperature**
    - 0 to 45°C (32 to 113°F)
- **Storage Temperature**
    - -20 to 70°C (-4 to 158°F)
- **Ambient Relative Humidity**
    - 10% to 90% (non-condensing)
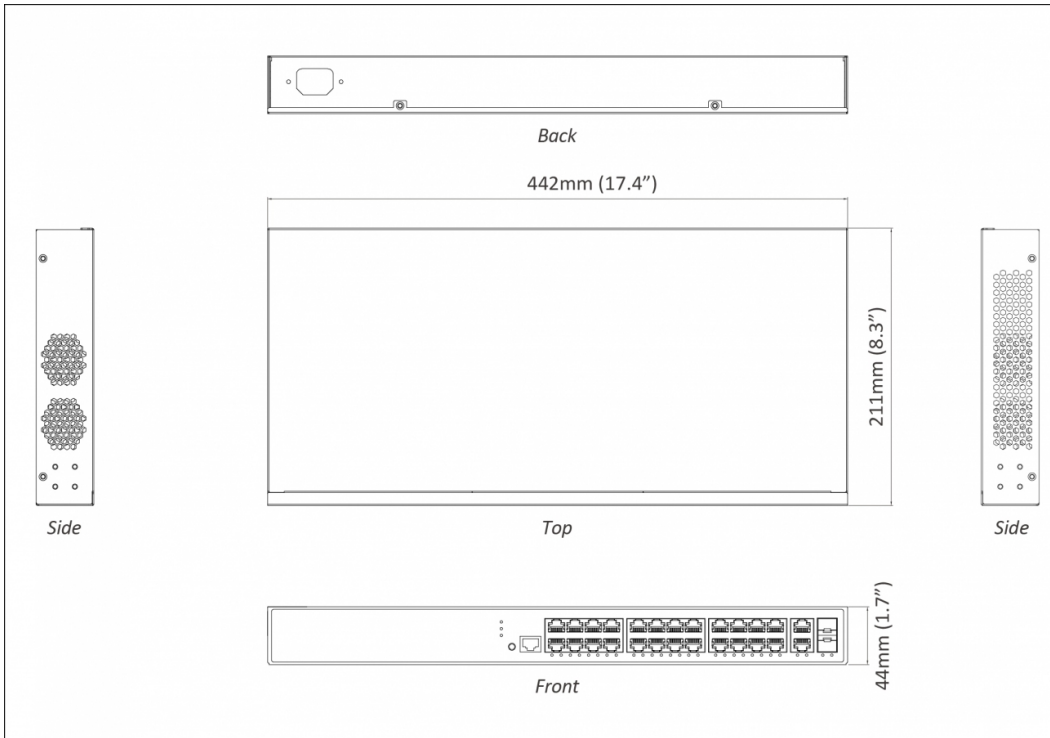
Regulatory Approvals

- **ISO**
    - Manufactured in an ISO 9001 facility
- **Safety**
    - UL 62368
- **EMI**
    - CE Mark Class A
    - FCC Part 15 Class A
    - VCCI Class A

Application

Dimensions

Ordering Info

Model

EX26262F

Managed 24-port Gigabit PoE + 2-port 100/1000 SFP Combo Ethernet Switch

* Rack mounting kit included

notice and without incurring any obligation.