

# EX26262F Series

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



## 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."

## 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

## 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**

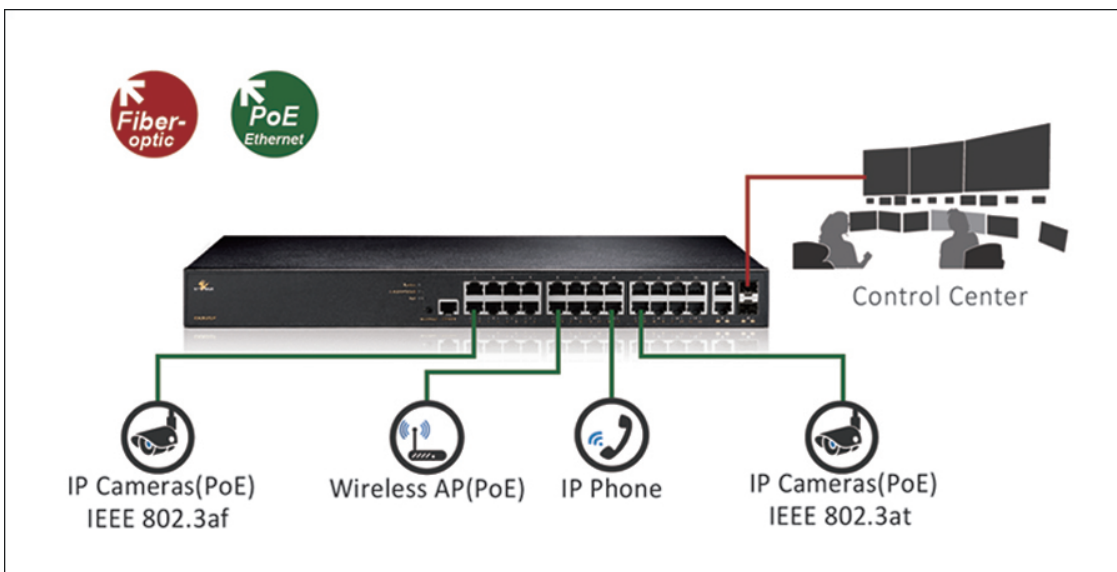
Manufactured in an ISO 9001 facility

**Safety**

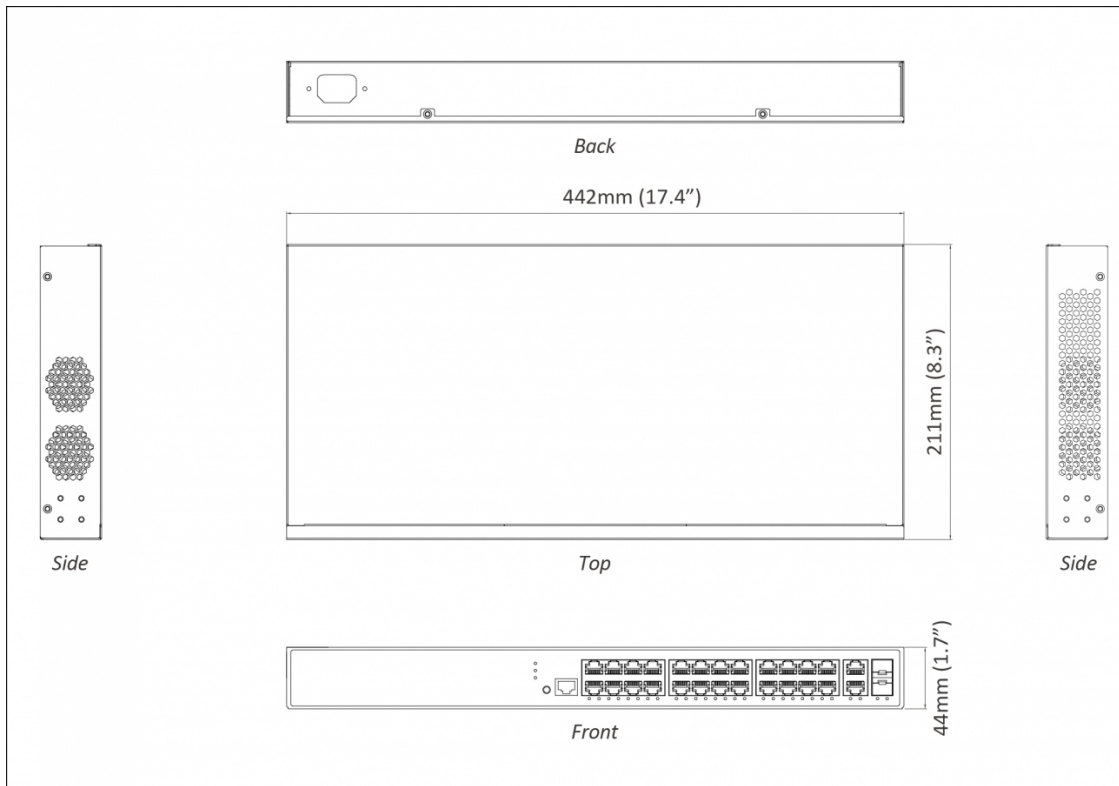
UL 62368

**EMI**

CE Mark Class A  
FCC Part 15 Class A  
VCCI Class A

**Application**

## Dimensions



## Ordering Info

### + Model

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\* Rack mounting kit included

