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
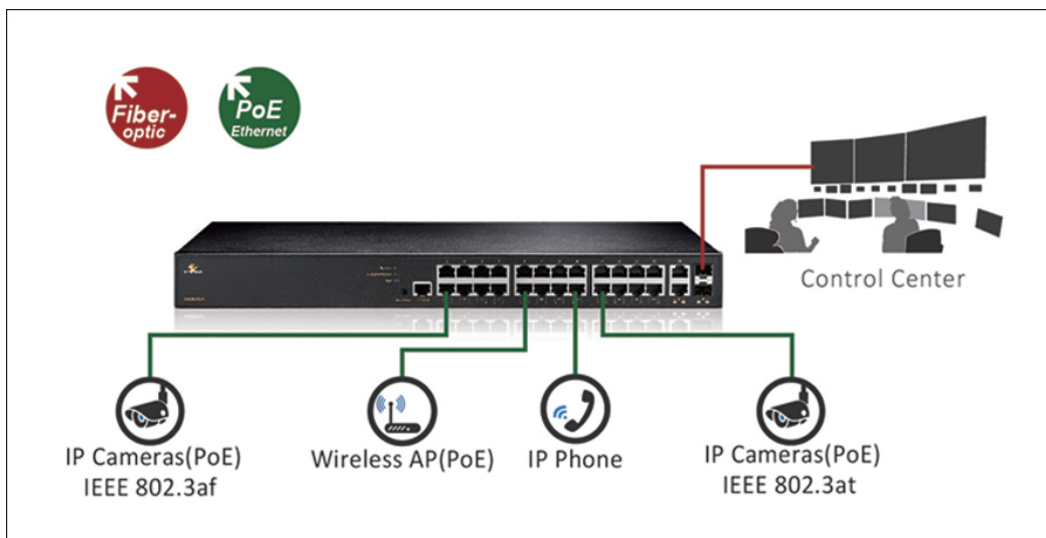
Safety
UL 62368

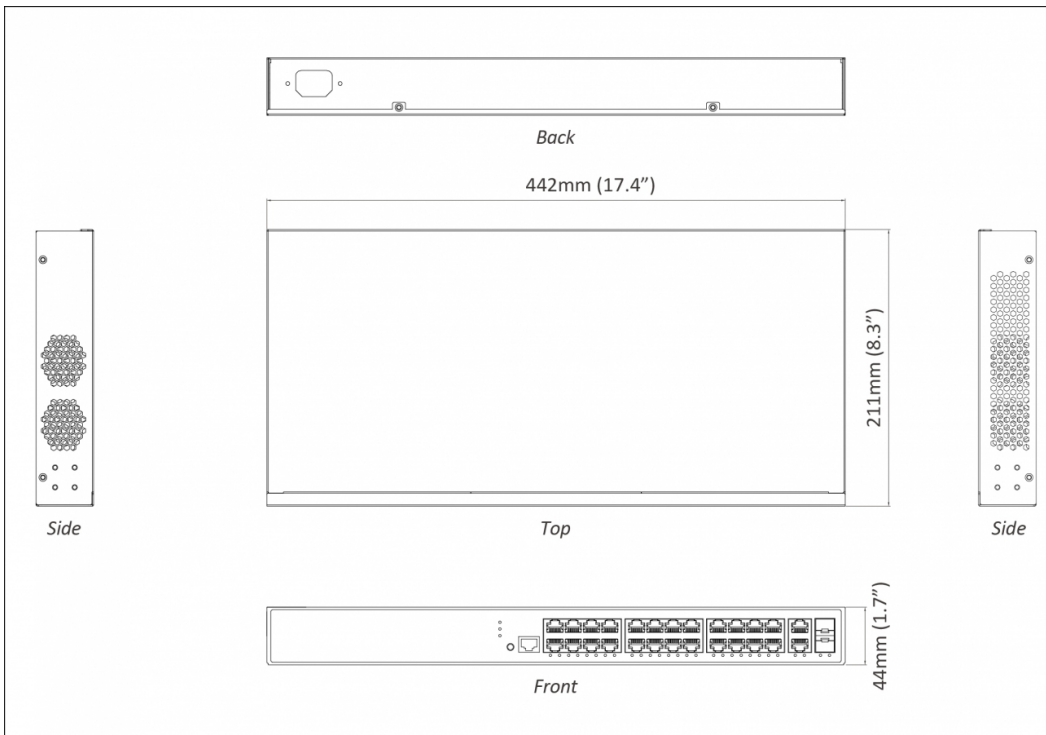**EMI**
CE Mark Class A
FCC Part 15 Class A
VCCI Class A

Application

Dimensions

Ordering Info

➕ Model

EX26262F Managed 24-port Gigabit PoE + 2-port 100/1000 SFP Combo Ethernet Switch
* Rack mounting kit included