EX26484 V2 Series

Managed 48-port Gigabit PoE and 4-port 1G/10G SFP+ Ethernet Switch



Overview

EtherWAN's EX26484 series is a managed 52-port PoE Ethernet switch platform. Equipped with 48 gigabit PoE ports along with a high total PoE power budget of 450W or 860W and 4 10-gigabit SFP+ ports, the EX26484 series provides flexibility, speed, and reliability for networks in urban infrastructure, security, and other areas where connectivity is crucial.

EtherWAN — "When Connectivity is Crucial."

Highlights

High Bandwidth and Versatility

48 10/100/1000BASE-T(X) ports for high bandwidth connections
4 10 Gigabit fiber connections
Full capacity switching running at full duplex

High Power PoE Power Budget

Maximum PoE power budget of up to 860W
Provides up to 30W per port for PTZ cameras and other high power devices

Management/Security Features

PoE watchdog monitors status of connected PoE devices
802.1x port-based network access control and remote authentication through RADIUS and TACACS+
Port control and security

Support

Complimentary technical support
Free firmware upgrades

Features

Interface

CLI, Telnet and Web Browser SNMP v1/v2c/v3

Management

Firmware and configuration upgrade and backup via TFTP

Supports DHCP Server/Client

RMON (Remote Monitoring): group 1, 2, 3, 9

Port mirroring: TX/RX and both

NTP (Network Time Protocol) Time Synchronization

IEEE 802.1ab LLDP (Link Layer Discovery Protocol)

IPv4/IPv6

PoE Watchdog

Virtual Stacking

Security

MAC Address Filtering

Enable/Disable Port

Storm Control (Broadcast and Multicast Types)

IEEE802.1x LAN Access Control

Remote Authentication through RADIUS & TACACS+

SSH for CLI and Telnet Security

SSL for Web Security

System Log

ACL

Quality of Service (QoS)

Priority Queues: 8 Queues per Port

Traffic Classification Based on IEEE802.1p CoS, DSCP, WRR, 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 (128 groups, 4096 VID)

Port-based VLAN

IEEE 802.1Q tag-based VLAN (128 groups, 4096 VID)

Voice VLAN

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

Specifications

Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-T

IEEE 802.3ab 1000BASE-T

IEEE 802.3e 10GBASE

IEEE 802.3ad LACP

IEEE 802.3af PoE

IEEE 802.3at PoE+

IEEE 802.3x Full duplex and flow control

IEEE 802.1D STP

IEEE 802.1p QoS

IEEE 802.1Q Tag VLANs

IEEE 802.1s MSTP

IEEE 802.1w RSTP

IEEE 802.1x Port-based Network Access Control

IEEE 802.1ab LLDP

G.0832 ERPS

Forward/Filtering Rate

14,800pps for 10Mbps

148,810pps for 100Mbps

1,488,100pps for 1000Mbps

14,881,000pps for 10gbps

Packet Buffer Memory

32M Bits

Processing Type

Store-and-forward

Auto-negotiation

Half-duplex back-pressure and full-duplex flow control and IEEE 802.3x full-duplex flow control

Auto MDI/MDIX

Address Table Size

32K MAC Addresses

Switching Fabric

176Gbps

Forwarding Rate

130.94Mpps

Jumbo Framze Size

Interface

Ethernet

10/100/1000BASE-T(X): 48 ports

1G/10G SFP+: 4 ports

Console

1 x RJ45

LED Indicators

Per Unit: Power

Per Port: Link/Activity, PoE

Power

Input

100-240VAC

Power Consumption

37W Max (without PoE) w/ PoE power budget of 450/860W

up to 30W/port Poe power output

Physical

Casing Material

Aluminum

Dimensions

EX26484: 440 x 330 x 44mm (W x D x H)

(17.3" x 12.99" x 1.73")

EX26484-920: 440 x 380 x 44mm

(17.3" x 14.96" x 1.73")

Weight

5.5kg (12.1lbs)

Installation Type

Rack Mounting

Environmental

Operating Temp.

0 to 50°C (32 to 122°F)

Storage Temp.

-10 to 70°C (-10 to 158°F)

Relative Humidity

10% to 90% (non-condensing)

Regulatory

ISO

Manufactured in ISO-9001 facility

EMI

FCC Part 15B

VCCI Class A

CE Mark Class A

Safety

UL 62368-1

Warranty

Length

3 Years

Details

www.etherwan.com/support/warranty-policy

What's Included

Device

Ethernet Switch

Accessories

AC Power Cord

Rack Mounting Kit

Documentation

Quick install guide

MPN

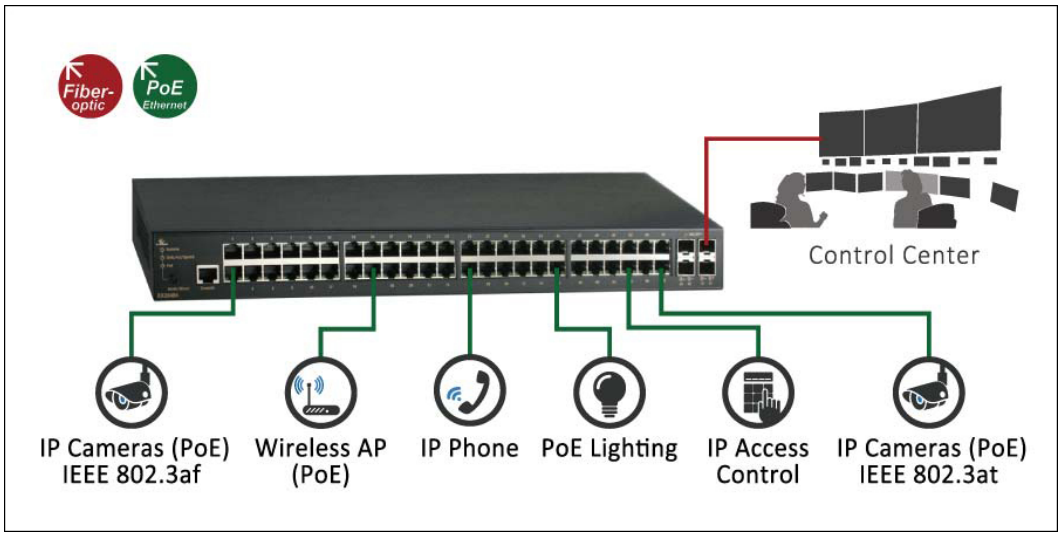
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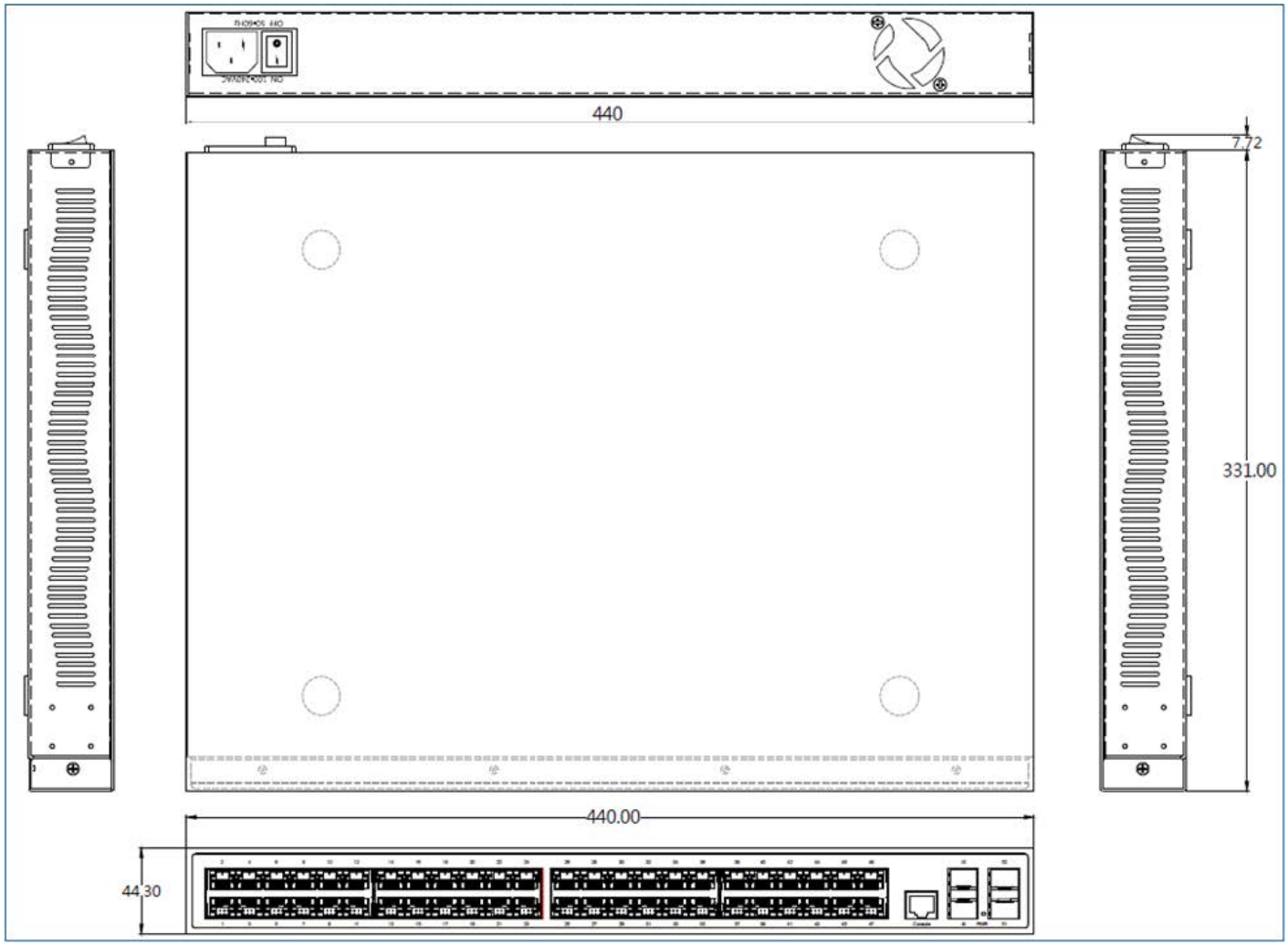
EX26484-920

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Application



Dimensions



Ordering Info

Model

EX26484	48-Port 10/100/1000BASE PoE + 4-Port 1G/10G SFP+ Managed Ethernet Switch, 450W Power Budget
EX26484-920	48-Port 10/100/1000BASE PoE + 4-Port 1G/10G SFP+ Managed Ethernet Switch, 860W Power Budget

Accessories

SFP Modules

1G & 10G SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver

* Rack mounting kit included.

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