

# EX25611

Managed 24-port 10/100/1000BASE-T (4-port SFP Combo)  
and 4-port 1G/10G SFP+ Ethernet Switch



## Overview

EtherWAN's EX25611 Series is a rack-mount Gigabit switch equipped with twenty-eight ports, or a combination of twenty-four Gigabit copper ports and four 1G/10G SFP+ for connecting the switch to the core network. The EX25611 is a feature-rich and powerful network switch with full wire speed Gigabit throughput ideal for small businesses, the network edge, or workgroups within larger organizations.

The simplified user interface enables users to quickly use the comprehensive feature set of the switch, for a better-optimized network. The EX25611 features comprehensive and useful functions such as DHCP Snooping, QoS, Spanning Tree, RSTP/MSTP, VLAN, Port Trunking, Bandwidth Control, Port Security, SNMP/RMON, LLDP and IGMPv3 Snooping capability via the intelligent software. Users are able to access management features via web browser, Telnet, SNMP, RMON, TFTP, and RS-232 console interfaces.

EtherWAN – “When Connectivity is Crucial.”

## Spotlight

- **High Bandwidth**
  - Uplink Ports up to 10Gbps
- **High Switching Performance**
  - 128Gbps wire-speed switching performance across all 28 ports
- **Managed Interface**
  - 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

# Software Features

## Management

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- Interface
  - CLI, Telnet and Web Browser
  - SNMP v1/v2c/v3
- Firmware and configuration upgrade and backup via TFTP
- Supports DHCP Client, DHCP relay with DHCP option 82
- RMON (Remote monitoring): group 1, 2, 3, 9
- Port mirroring: TX/RX and both
- LLDP / LLDP-MED
- IPv4 and IPv6 dual stack

## Security

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- MAC Address by port security
- IP source guard: supports illegal IP address to specific port
- Enable/disable port
- Storm control (broadcast, multicast and unicast types)
- IEEE802.1x LAN access control
- Remote authentication through RADIUS and TACACS+
- SSH for CLI and Telnet security
- SSL for web security
- ACL

## Quality of Service (QoS)

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- Priority Queues: 8 queues per port
- Traffic classification based on IEEE802.1p CoS, DSCP, WRR (Weighted Round Robin) and strict mode
- Rate Limiting (Ingress/Egress)
- Supports IPv6 applications (Web, Telnet, ping, SNMP, TFTP, SNMP and Syslog)

## Layer 2 Features

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- Auto-negotiation for port speed and duplex mode
- 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
  - Port-based VLANs
  - GVRP
  - IEEE802.1Q Tag VLANs
- Link Aggregation
  - Static Trunk (14 groups, 8 ports per group)
  - IEEE802.3ad Link Aggregation Control Protocol
- IGMP Snooping
  - IGMP Snooping v1/v2/v3
  - MLD v1/v2 Snooping
  - IGMP Querier and Proxy

## Performance

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- Switching Capability: 128Gbps
- Packet Buffer Size: 3Mbits
- MAC Address Table: 32K
- Jumbo frame: 9K

# Hardware 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
- IEEE802.3ad LACP

### Forward and Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps
- 1,488,100pps for 1000Mbps
- 14,880,952pps for 10Gbps

### Address Table Size

- 32K MAC address

### Jumbo Frame

- 9K

## Power

### Input

- 100 to 240VAC, 50/60Hz

### Power Consumption

- 47W Max.

## Mechanical

### Casing

- Metal Case

### Dimensions

- 442mm(W) x 300mm(D) x 44mm(H)  
(17.4"(W) x 11.81"(D) x 1.73"(H))
- Standard 19" rack-mount size, one-unit-height

### Weight

- 3.9 Kg (8.6 lbs)

### Installation

- Rack mounting

## Interface

### Ethernet Port

- 10/100/1000BASE-T: 20 ports
- 10/1000/1000BASE-T/SFP combo: 4 ports
- 10G SFP+: 4 ports

### LED Indicators

- Per Unit: System
- Per Port: Link/ACT, SPEED

## Environment

### Operating Temperature

- 0°C to 40°C (32°F to 104°F)

### Storage Temperature

- -10°C to 70°C (14°F to 158°F)

### Ambient Relative Humidity

- 5% to 95% (non-condensing)

## Regulatory Approvals

### ISO

- Manufactured in an ISO9001 facility

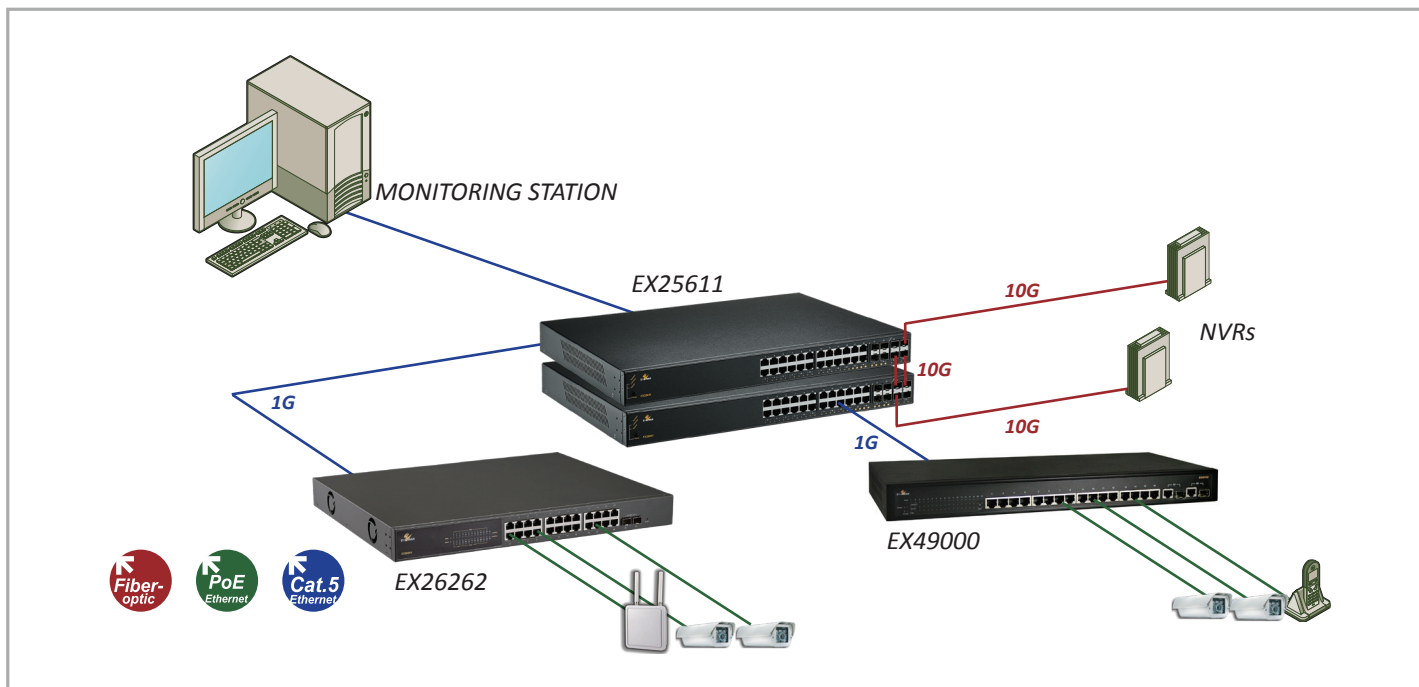
### EMI

### CE Mark Class A

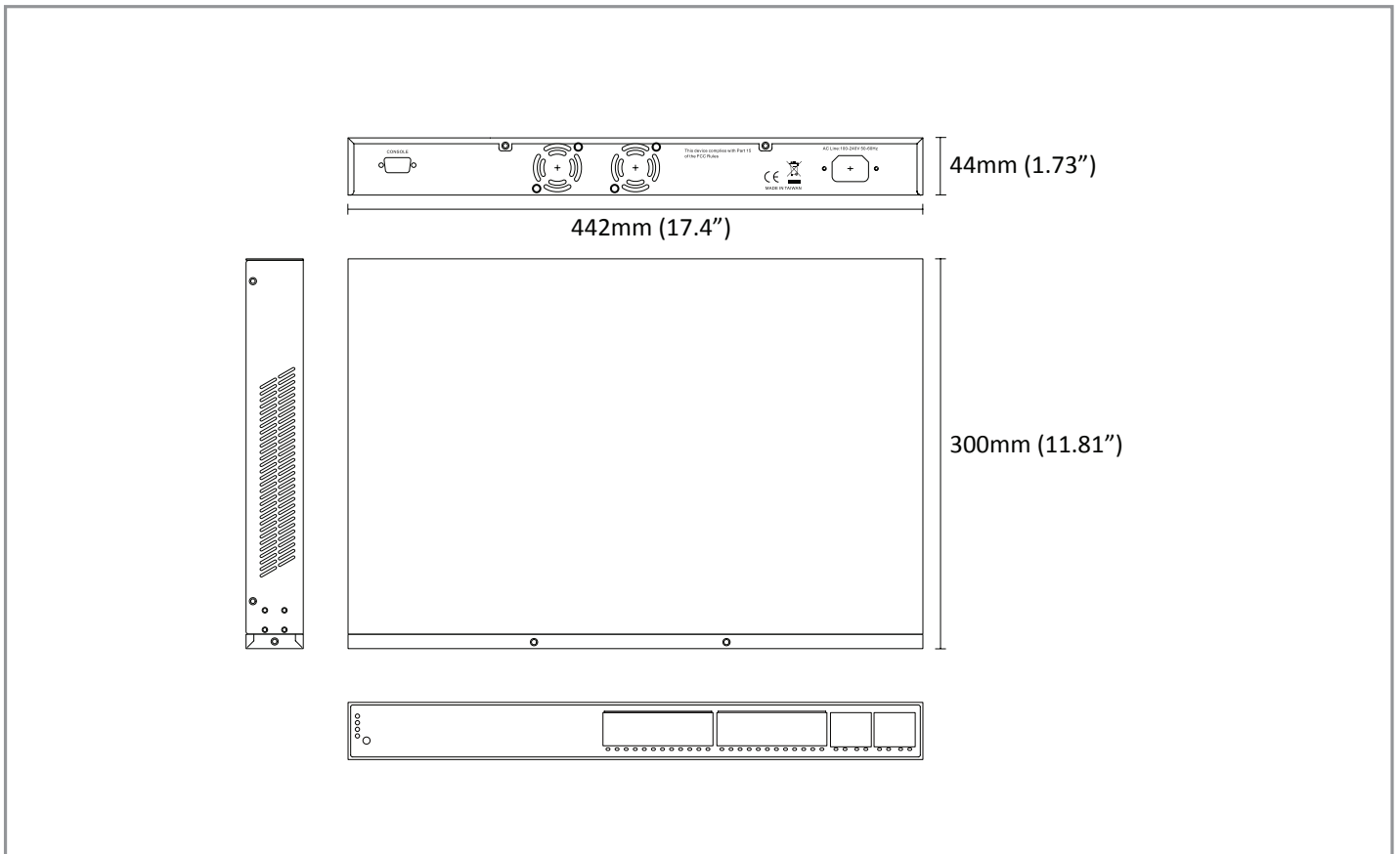
### FCC Part 15 ClassA

### VCCI Class A

## Application Diagram



## Dimensions



## Ordering Information

### Model

<b>EX25611</b>	Managed 24-port 10/100/1000BASE-T (4-port SFP Combo) and 4-port 1G/10G SFP+ Ethernet Switch
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\* Rack mounting kit included

### Optional 10G SFP Series

Model Number	Designation	Distance	Wavelength (nm)	Cable Type
EX-LM28-H3S-TC-N	10GBASE-SR	300m	850	Multi-mode OM3 (LC)
EX-LS38-H3S-TC-N	10GBASE-LR	10Km	1310	Single Mode (LC)

\*More SFP options also available upon request.