

# EdgeConnect 2402LF Managed Power over Ethernet Switch

## Introduction

The EdgeConnect 2402LFPoE switch is a flexible, easy-to-use, managed power over Ethernet LAN switch that is ideal for converged voice, video and data applications.

Incorporating all of the features needed for today's converged networking environment the EdgeConnect 2402LFPoE provides many benefits including:

- Fully-featured, managed, Power over Ethernet (PoE) switch is optimized for converged voice, video and data applications
- Automated configuration reduces costs and simplifies VoIP installations



## Feature Rich, Simple to Use - Key Features

- Automated setup when used in conjunction with Edgewater's EdgeMarc and EdgeView products
- 24 x 10/100 Mbps Autosensing Ethernet ports
- 2 x 10/100/1000 Mbps Autosensing, Ethernet uplinks or high speed server ports with RJ-45 or SFP Fiber connectors
- In-line Power over Ethernet (802.3af) with automatic power device detection (legacy in-line support)
- Per port optional power sourcing
- Full wire-speed forwarding
- L2/L3/L4 traffic management
- 802.1Q VLAN support
- 802.1p based Quality of Service (QoS) with priority queuing
- Link aggregation (802.3ad)
- Broadcast storm control
- Management: integration with EdgeView NMS and support for SSH and Telnet

## Product Benefits

### Simplified Installation...Just Add Phones!

When using Edgewater's EdgeView Network Management System (version 5.9 or later) the VoIP installation is automated including the EdgeConnect 2402LF PoE switch and the award-winning EdgeMarc appliance. Simply plug the cables in, apply power and all of the settings required to deliver business-class VoIP including VLANs, priority queuing, traffic shaping, address assignment and more are configured.

### Advanced Remote Administration

Reduce the need for onsite service calls or administration with the many remote management tools provided by the 2402LF PoE. These include advanced diagnostics, HTTP, Telnet and more.

### QoS and VLANs to Ensure High Quality Voice and Video

The EdgeConnect 2402LF PoE prioritizes voice and video traffic over data using per port or 802.1Q tagged VLANs. The 2402LF PoE also supports traffic classification by 802.1p, IP precedence/TOS, DSCP or TCP/UDP number.

### Integrated Power Management

Power over Ethernet capability reduces costs by eliminating the need for additional power supplies and AC wiring co-resident with IP phones.

### Greater Reliability

An external UPS can be used to provide backup power to the EdgeConnect 2402LF PoE in the event of a power outage. Using this configuration distributed enterprise IP phones will continue to operate by receiving power from the 2402LF PoE.

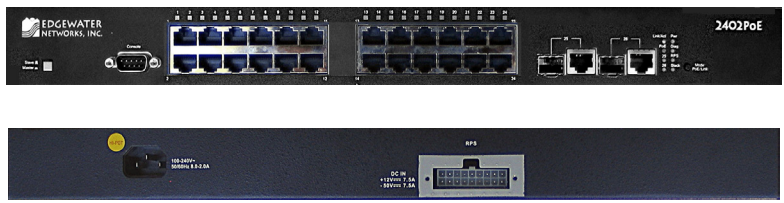


Converged Networking. Simplified.

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## Specifications

Interfaces	
<b>Ethernet Ports</b>	<b>24</b>
Connector Type	RJ-45
Auto-negotiating	Yes
10/100 Mbps	Yes
Duplex	Full or Half
IEEE 802.3x flow control at full-duplex	Yes
<b>Combo Ethernet Ports</b>	<b>2</b>
Connector Type	RJ-45/SFP
Auto-negotiating	Yes
10/100/1000 Mbps	Yes
Duplex	Full or half
IEEE 802.3x flow control at full-duplex	Yes
RS-232 DB-9 Console port	Yes



Performance	
Switching Capacity	8.8 Gbps
Forwarding Rate	6.6 Mpps
MAC Address Table Size	8K
Packet Buffer Size	0.5 Mb

Power, Dimensions, Safety	
<b>Dimensions</b>	
Height	1.69" (4.3 cm)
Width	17.32" (44 cm)
Depth	16.3" (41.5 cm)
Weight	12.7 lbs (5.76 Kg)
<b>Power</b>	
Total Maximum power	202W
<b>Regulatory</b>	
CE Mark	Yes
FCC Class A	Yes
VCCI Class A	Yes
CISPR Class A	Yes
TUV/GS (EN60950)	Yes
CB	Yes
CSA/NRTL (CSA 22.2.No60950)	Yes
RoHS	Yes
<b>Environmental Specifications</b>	
Standard operating temperature	0oC to 50oC
Non-operating temperature	-40oC to 70oC
Humidity	10% to 90% (Non-condensing)

Management	
SSH based CLI access	Yes
Web based configuration	Yes
Text-based management through in-band telnet session and out-of-band RS232 console port (VT100), CLI via console port or Telnet	Yes
Remotely upgradeable (TFTP)	Yes
Configuration backup/restore	Yes
SNMP v1, v2c, v3 support	Yes
MIB II (RFC1213), Ethernet Interface MIB (RFC1643), Bridge MIB (RFC1493), Trap MIB (RFC1215), RADIUS MIB (RFC2618)	Yes
4-Group (1,2,3,9) RMON (RFC1757)	Yes
TACACS, Access Control List, SSH (v1.5/v2.0), SSL	Yes
BOOTP, DHCP for IP address assignment	Yes
Supports Sntp	Yes

PoE	
Total power available to all PoE ports	180 W
Maximum power that can be provided by a port	15.4 W
Equal power per port	7.5 W



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Features	
Complies with IEEE802.3, IEEE802.3u, IEEE802.3x and IEEE802.3af, and Cisco legacy in-line power	Yes
802.1D spanning tree support (STP)	Yes
IEEE 802.1W rapid spanning tree support (RSTP)	Yes
IEEE 802.3x for full duplex mode	Yes
IEEE 802.1p priority support	Yes
Up to 4 priority queues to separate real time traffic and deliver multiple classes of service for data (strict or weighted round robin)	Yes
Traffic classification, COS, IP precedence, DSCP, TCP/UDP port number, Access Control List	Yes
Support WRR and Strict Scheduling	Yes
Tagged VLAN: up to 255 IEEE 802.1Q based VLANs	Yes
Port-based VLAN: VLAN configuration based on switch port	Yes
Supports VLAN trunking, GVRP	Yes
IEEE 802.1v Protocol-based VLANs	Yes
IEEE 802.1x port based network access control	Yes
IEEE 802.3ad link aggregation support (LACP)	Yes
Trunk groups : 4, Trunk links: 2-8	Yes
Dynamic Host Configuration Protocol (DHCP) and BootP support	Yes
IGMP snooping (v1 and v2), IGMP queries	Yes
Supports jumbo frames up to 9KB	Yes
Traffic rate limits and control	Yes
Automatic power device detection	Yes

Ordering Information/SKU	
EC-2402LFPOE-01	2402LFPOE EdgeConnect Managed Power over Ethernet Switch