

EDGECONNECT 2402PoE

- 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

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 ethernet power (802.3af) with automatic power device detection
 - 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)
 - Port mirroring
 - Broadcast storm control
 - Management: integration with EdgeView NMS and support for SNMP, RMON, http, Telnet and DHCP
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Managed Power over Ethernet Switch



The EdgeConnect™ 2402PoE 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 2402PoE provides many benefits including:

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 2402PoE 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. EdgeView also provides management of IP phone configuration files for centralized control of critical CPE components.

Advanced Remote Administration

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

QoS and VLANs To Ensure High Quality Voice and Video

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

Integrated Power Management

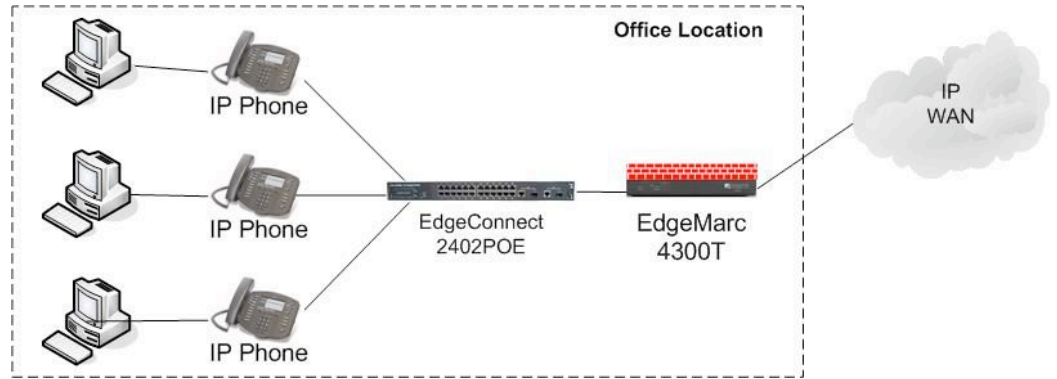
Power over Ethernet capability reduces costs by eliminating the need for additional power supplies and AC wiring co-resident with IP phones.

Greater Reliability

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

To learn more about the EdgeConnect 2402PoE please contact Edgewater at sales@edgewaternetworks.com or visit our website at www.edgewaternetworks.com.

Typical Installation



Specifications

Interfaces

- 24 x 10/100 Mbps Ethernet
 - auto-negotiating, full or half duplex
 - Backpressure flow control at half-duplex, IEEE802.3x flow control at full-duplex
 - RJ45
- 2 x 10/100/1000 Mbps Ethernet Combo Ports
 - auto-negotiating, full duplex
 - IEEE802.3x flow control at full-duplex
 - RJ45 or SFP

Hardware

Dimensions

- H (1.69"), W (17.32"), D (16.14")
- Weight: 12.7 lbs.

Power

- Autosensing 100-240V, 50 to 60 Hz
- Maximum current 7 Amps

Regulatory

- CE Mark, FCC Class A, VCCI Class A, CISPR Class A, TUV/GS(EN60950), CB, CSA/NRTL(CSA 22.2.No 60950)

Management

- Web based configuration
- Text-based management through in-band telnet session and out-of-band RS232 console port (VT100)
- Remotely upgradeable (TFTP)
- Configuration backup/restore
- SNMP v1, v2c, v3 support
- MIB II (RFC1213), Ethernet Interface MIB (RFC1643), Bridge MIB (RFC1493), Trap MIB (RFC1215), RADIUS MIB (RFC2618)
- 4-Group (1,2,3,9) RMON (RFC1757)

Features

- Complies with IEEE802.3, IEEE802.3u, IEEE802.3x and IEEE802.3af
- 8.8 Gbps aggregated throughput with full wire speed forwarding
- Up to 8,000 MAC address entries supported
- IEEE 802.1D spanning tree support
- IEEE802.1p priority support
- Up to 4 priority queues to separate real-time traffic and deliver multiple classes of service for data (strict or weighted round robin)
- Tagged VLAN: up to 255 IEEE 802.1Q based VLANs
- Port-based VLAN: VLAN configuration based on switch port
- Supports VLAN trunking
- IEEE 802.1x port based network access control
- IEEE 802.3ad link aggregation support (LACP)
- Port mirroring
- Dynamic Host Configuration Protocol (DHCP) and BootP support
- IGMP snooping
- Traffic rate limits and control
- Supports IEEE 802.3af with maximum of 15.4W per port and a total of 375W for the switch
- Automatic power device detection

Ordering Information

Part Number	Description
EC-2402POE-01	EdgeConnect 2402PoE Switch