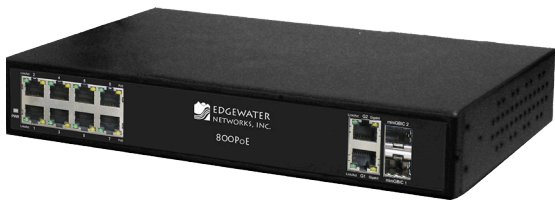


EdgeConnect 800PoE Managed Power over Ethernet Switch

Introduction

The EdgeConnect 800PoE is a flexible, easy-to-use, managed power over Ethernet switch ideal for converged voice, video and data applications.

Incorporating all of the features needed for today's converged networking environment the EdgeConnect 800PoE simplifies installation, improves QoS for voice and video over IP while offering a central management interface for ease of administration.



Feature Rich, Simple to Use - Key Features

- 8 x 10BASE-T/100BASE-T Autosensing RJ-45 Ethernet ports
- 2 x 10BASE-T/100BASE-TX/1000BASE-T Autosensing port with RJ-45 or mini-GBIC SFP Fiber connectors
- Automated setup when used in conjunction with Edgewater's EdgeMarc and EdgeView products
- In-line Ethernet power (802.3af and Cisco legacy)
- Per port optional power sourcing
- Full wire-speed forwarding
- 802.1Q/p support for 255 port and tag based active VLANs
- Port mirroring
- Broadcast, known multicast, and unknown unicast storm control
- IEEE 802.3ad Link Aggregation Control Protocol (LACP) for better bandwidth management.
- Differentiated management of up to 4 traffic classes per port using 802.1p
- Per port Ethernet rate limiting
- MAC address based security per port, IEEE 802.1X port-based access control using RADIUS for user authentication
- Management/Monitoring: integration with EdgeView and support for SNMP, and http.



Converged Networking. Simplified.

Product Benefits

Plug & Dial Installation

With the EdgeView VoIP Support System the VoIP installation is automated with the EdgeConnect 800PoE switch and any EdgeMarc router. Simply plug the cables in, apply power and all of the settings required to deliver business-class VoIP are configured (including VLANs, priority queuing, traffic shaping, address assignment).

Advanced Remote Administration

Reduce the need for onsite service calls or administration with the many remote management tools provided by the 800PoE. These include port mirroring for advanced diagnostics, RMON, SNMP, http, Telnet and more.

QoS and VLANs To Ensure Quality Voice and Video

The EdgeConnect 800PoE prioritizes voice and video traffic over data using per port or 802.1Q tagged VLANs. Up to 256 VLAN entries can be configured. The 800PoE also supports traffic classification by 802.1p and DSCP.

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 800PoE in the event of a power outage. Using this configuration distributed enterprise IP phones will continue to operate by receiving power from the 800PoE.

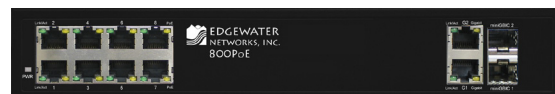
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Specifications

Interfaces	
Ethernet Ports	8
Connector Type	RJ-45
Auto-negotiating	Yes
10/100 Mbps	Yes
Duplex	Full or Half
IEEE 802.3x flow control at full-duplex	Yes
Combo Ethernet Ports	2
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 Console port	Yes

Performance	
Switching Capacity	5.6 Gbps
Forwarding Rate	13.3 Mpps
MAC Address Table Size	8K
Packet Buffer Size	3 Mb

L2 Features	
Auto-negotiation for port speed and duplex mode flow control	
IEEE 802.3x for full duplex mode	Yes
Back-Pressure for half duplex mode	Yes
Spanning Tree Protocol	
802.1D Spanning Tree Protocol (STP)	Yes
802.1w Rapid Spanning Tree Protocol (RSTP)	Yes
802.1s Multiple Spanning Tree (MST)	Yes
802.1q based VLANs total	256
Link Aggregation	
Static Trunk	Yes
IEEE 802.3ad Link Aggregation Control Protocol	Yes
Trunk Groups	3
Trunk Links	2~8
Per port rate limiting (ingress/outgress)	Yes (64 Kbps
MAC addresses per port	24



QoS	
Hardware priority queues per port	4
Traffic Classification	
Based on IEEE 802.1p	4 classes
DSCP	Yes
WRR and Strict priority support	Yes
Storm Control	
Broadcast	Yes
Known Multicast	Yes
Unknown Unicast	Yes
IGMP snooping	Yes
One-to-one or many-to-one Port Mirroring	Yes

Security	
802.1X port-based access control	Yes
Password-protection on web interface	Yes
Per-port IP address filtering	Yes
Management access filter configuration	Yes
Management VLAN for administration	Yes
Port security (Static and dynamic learning mode)	Yes
TACACS+ authentication	Yes

Management	
Web based configuration	Yes
Text-based management through in-band telnet session	Yes
Remotely upgradeable (dual image)	HTTP, TFTP
Configuration backup/restore	Yes
RMON	Yes
SNMP	v1, v2c, v3
SNTP	Yes

PoE	
Total maximum output power	90.0 W
Maximum power per port	30 W
Equal power per port	12.5 W

EdgeConnect 800PoE Managed Power over Ethernet Switch

Specifications

Power, Dimensions, Safety	
Dimensions	Height 3 .75", Width 17.5", Depth 26.5"
Weight	WEEE weight: 45 lbs. Shipping weight: 55.2 lbs.
Environmental	100/240v VAC, auto-selecting, 47 to 63 Hz Regulatory
Regulatory	<p>ROHS compliant, IEC 950, TUV/GS EN60950, CSA 60950(USA / Canada) EN60950 (Europe) IEC60950 (International), CB Certificate & Report, IEC60950 (report to include all country national deviations) GS License (Germany), GOST R 50377-92 - License (Russia), Belarus License (Belarus), Ukraine License (Ukraine), CE - Low Voltage Directive 73/23/EEE (Europe), IRAM Certification (Argentina), GB4943- CNCA Certification (China)</p> <p>FCC (Class A Verification) – Radiated & Conducted Emissions (USA) CISPR 22 – Emissions (International) EN55022 - Emissions (Europe) EN55024 - Immunity (Europe) EN61000-3-2 - Harmonics (Europe) EN61000-3-3 - Voltage Flicker (Europe) CE – EMC Directive 89/336/EEC (Europe) VCCI Emissions (Japan) AS/NZS 3548 Emissions (Australia / New Zealand) BSMI CNS13438 Emissions (Taiwan) GOST R 29216-91 Emissions (Russia) GOST R 50628-95 Immunity (Russia) Belarus License (Belarus) Ukraine License (Ukraine) RRL MIC Notice No. 1997-41 (EMC) & 1997-42 (EMI) (Korea) GB 9254 - CNCA Certification (China) GB 17625 - (Harmonics) CNCA Certification (China)</p>

Ordering Information/SKU	
6400: EdgeMarc 500 (EM-6400A-500)	6400 EdgeMarc 500 Converged Network Appliance, AC power
400: EdgeMarc 1000 (EM-6400A-1000)	6400 EdgeMarc 1000 Converged Network Appliance, AC power
6400: EdgeMarc Video 85 (EM-6400AV-85)	6400 EdgeMarc H.323 Video NAT and Bandwidth Manager 85Mbps, AC power
6400: EM Upgrade 500 – 1000 (EM-6400U-1000)	6400 Series EdgeMarc VoIP License Upgrade - 1000 WAN calls

