

EdgeMarc 7400

ENTERPRISE SESSION BORDER CONTROLLER



BENEFITS:

- Converged Solution for voice and data services
- Scalable platform supporting up to 2,000 concurrent calls
- Connect branch offices via service VPN tunnels
- Connects to SIP trunking and hosted IP telephony service
- Support for 8,000 registered devices

The EdgeMarc 7400 combines voice and data features alongside a full suite of networking capabilities into a single, easy to use enterprise session border controller for medium and large enterprise customers.

The EdgeMarc 7400 enterprise session border controller provides the demarcation point for real-time, interactive IP services. The EdgeMarc 7400 series is used in medium and large office deployments.

Supporting up to 2,000 concurrent calls and 8,000 registered devices, the EdgeMarc 7400 is the ideal solution for converged IP voice and data networks requiring high performance and delivers:

- Telecom service cost savings
- Comprehensive security
- High quality and reliable voice service
- Simplified management

The EdgeMarc 7400 is equipped with Dual WAN, multi-LAN GigE ports, and a hot swappable, redundant power supply.

EASE OF MANAGEMENT

As with all EdgeMarc devices, the EdgeMarc 7400 is managed with Edgewater Networks' industry leading EdgeView services control platform. EdgeView provides a comprehensive view of key performance parameters, enabling service providers to quickly diagnose issues and proactively solve them, minimizing escalations and truck rolls. EdgeView also features user management and reporting capabilities along with menu driven configuration and provisioning tools to make set-up and internetworking simple and intuitive.

KEY FEATURES:

- Enables a single public IP address to be used for multiple IP phones or IADs.
- Voice over data traffic ensures toll quality voice calls while allowing data traffic at full rate when possible.
- VoIP aware firewall with stateful packet inspection
- Call statistics, quality measurements, and alarms
- QoS functions including traffic shaping, prioritization, guaranteed bandwidth and call admission control (CAC)

VoIP

- SIP ALG/B2BUA
- NAT for SIP
- Survivability (SIP) - station to station, PSTN failover (requires external gateway)
- SIP registration pacing
- Softswitch redundancy
- Proxy mode
- Multi-homed proxy mode
- Transparent proxy mode
- EdgeView Plug & Dial Compatible
- Dynamic VoIP clients list
- SIP RFC 3261; SIP RFC 2327; SIP RFC 3263; SIP RFC 2833
- VoIP Test Call Agent
- Codec: G711, G729, G726, G722

Traffic Management/Routing/QoS

- Dual WAN Ports for traffic management and link redundancy
- Class-based queuing
- Prioritization on IP
- Prioritization on VoIP Protocol
- Traffic shaping
- Guaranteed bandwidth
- Upstream bandwidth management
- Downstream bandwidth management
- VoIP call admission control
- Diffserv marking; Diffserv policing
- IP routing
- Secondary address/subinterface support
- VLAN - 802.1Q

System Services

- Supports IPv4 and IPv6 addressing and services
- DHCP server
- Local TFTP/FTP server
- Automatic TFTP/FTP download on restart

Security

- Password encryption for SIP User Agent password (protect EdgeMarc and SIP UA credentials)
- Stateful packet inspection firewall
- VoIP aware firewall
- Dynamic network address translation
- Static network address translation
- Port address translation
- Denial of Service protection - SYN flood, UDP flood, ICMP flood, Fragment flood
- IPSec
- IKE key management
- 3DES; AES; SHA-1; MD-5

LAN Interfaces

- 3 x 10/100/1000 Mbps
- Auto Sensing
- RJ-45
- Half or Full Duplex
- Managed LAN

Management

- Web GUI
- CLI
- HTTP, HTTPS
- SSH, Telnet
- SNMP v1, v3
- TCPdump, Traceroute, Ping, Syslog
- Configuration backup/restore
- Remote Upgrades (FTP)

Passive Call Quality Monitoring

- Per call statistics
- LAN side measurements
- WAN side measurements
- Mean Opinion Score (MOS): Listening quality and Conversational quality - For all calls
- Listening quality R-factor
- Conversational quality R-factor
- Below threshold MOS alerts
- Detailed Jitter and Packet loss statistics
- Out of order packets

Architecture

- Hardened Linux kernel
- Solid state flash
- Firmware upgrade failure recovery (automatic)

Hardware Specifications

- 4 x 10/100/1000 Ethernet
- RJ45
- W: 17.2", D: 17.5", H: 1.73" (1U)
- Weight: 12.75 lbs
- Power: 100/240v VAC - auto-selecting, 50 to 60 Hz - 200W MAX AC Input
- Hardware warranty - 3 years
- Operating Temperature: 0° to 40°C
- Relative Humidity: 10% to 90%
- Hot swappable, redundant power supply
- Dual WAN ports
- Multi-LAN ports

Hardware Compliance

- RoHS 2.0 compliant
- WEEE compliant
- UL/cUL, LVD, Gost-R, Mexico CoC, UL-AR
- FCC Part 15 Class A, ICES-003, VCCI Class A, KCC, CCC, C-tick, BSMI, ANATEL
- CE

Heat Output

- BTU/h = 682

Warranties

- Hardware: 5 years
- Software: 1 year

About Edgewater Networks

Founded in October 2002, Edgewater Networks is a market leader in enabling IP-based voice, video and data services. Service providers and enterprises of all sizes use Edgewater Networks solutions to simplify customer premise configurations for quick and smooth installations, reduce time to market and deliver rapid return on invested capital. The company helps customers deliver intelligence at the network edge with its Network Edge Orchestration platform that includes the EdgeView Service Control Center, and EdgeMarc Intelligent Edges and Quickconnect certification program.

To learn more, please visit www.edgewaternetworks.com or call (844) 405-3550. Follow us on Twitter at @ewn_inc.

