

EdgeMarc 5300LF2

Enterprise Session Border Controller

The EdgeMarc 5300LF2 combines multiple voice and data features into a single, easy to use enterprise session border controller for large enterprise customers.

Introduction

The EdgeMarc 5300LF2 enterprise session border controller provides the demarcation point for real-time, interactive IP services. The 5300LF2 is used in large office deployments.

Supporting up to 1000 concurrent calls the EdgeMarc 5300LF2 is the ideal solution for converged IP voice and data networks requiring high performance and delivers:

- Significant cost savings
- Comprehensive security
- Guaranteed voice quality
- Simplified management

VoIP Application Layer Gateway

- Enables a single public IP address to be used for multiple IP phones or IADs (SIP).

Traffic Management

- Prioritizes voice over data traffic to ensure toll quality voice calls while allowing data traffic to burst up to full line rate when possible. Provides Call Admission Control (CAC) to ensure high quality voice calls.

Voice and Data firewall

- Uses stateful packet inspection for data and tracks VoIP signaling states to dynamically open and close ports.

Survivability

- VoIP calls can be re-routed locally or over the PSTN during WAN link failures - using one device.

Product Benefits

Enterprise-class session border controller optimized for medium to large offices.

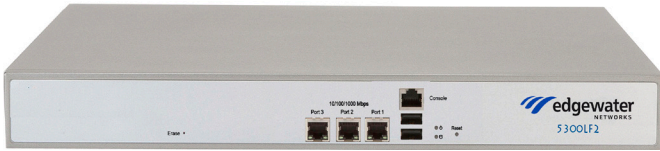
Connect, protect, optimize and monitor IP-based communications.

Applications:

- Connect branch/remote offices to datacenter communications systems
- Support for up to 1000 concurrent calls



Specifications



Interfaces

Ethernet WAN: 1 x 10/100/1000 Mbps

Ethernet LAN: 1 x 10/100/1000 Mbps

Aux Ports: 1 x 10/100/1000 Mbps

Serial: 1 x RS 232

Power, Dimensions and Certifications

Height: 1.73", **Width:** 17.25", **Depth:** 11.5"

Weight: 13 lbs

Power: 100/240v VAC, auto-selecting, 50 to 60 Hz

Power Consumption: 200W (Maximum)

Certifications: UL, cUL, CE, FCC Part 15 Class A, ICES-003, MIC, CB, RoHS, VCCI, C-tick, WEEE

VoIP

- SIP ALG
- NAT for SIP
- Survivability (SIP) - station to station
- Survivability (SIP) - PSTN failover
- 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

Management

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

System Services

- DHCP server
- Local TFTP/FTP server
- Automatic TFTP/FTP download on re-start

Security

- 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

Specifications

Traffic Management/Routing/QoS

- 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

Passive Call Quality Monitoring

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

Ordering Information

5300LF2-100-0300: 5300LF2 EdgeMarc 300 Enterprise Session Border Controller

5300LF2-100-0500: 5300LF2 EdgeMarc 500 Enterprise Session Border Controller

5300LF2-100-1000: 5300LF2 EdgeMarc 1000 Enterprise Session Border Controller

5300LF2U-1xx-0500: 5300LF2 EdgeMarc VoIP License Upgrade - 500 WAN calls

5300LF2U-1xx-0500-online: 5300LF2 EdgeMarc VoIP License Upgrade - 500 WAN calls

5300LF2U-1xx-1000: 5300LF2 EdgeMarc VoIP License Upgrade - 1000 WAN calls

5300LF2U-1xx-1000-online: 5300LF2 EdgeMarc VoIP License Upgrade - 1000 WAN calls