

4550 SERIES QUALITY ASSURANCE DEVICE

INTRODUCTION

The EdgeMarc 4550 Series combines multiple voice and data features into a single, easy to use network services gateways. It includes models that have a single Ethernet WAN, a 4 port managed VLAN switch.

The EdgeMarc 4550 Series is a flexible, application ready platform that can be deployed initially as a low-cost WAN access router and expanded to other applications such as hosted VoIP, SIP trunking and enterprise video over IP. It is the ideal platform for service providers offering SIP trunking services, hosted VoIP and other managed enterprise products and services.

FEATURE RICH, SIMPLE TO USE – KEY FEATURES

- VoIP survivability (local)
- Integrated 4 port managed Ethernet switch with VLAN support
- VoIP-aware Firewall
- VoIP application layer gateway (SIP and H.323) resolves NAT/Firewall traversal issues
- QoS: priority queuing, traffic shaping
- VoIP call admission control
- Passive call quality monitoring (MOS, jitter, latency and more)
- DHCP server
- Management: HTTP, HTTPS, SSH, Telnet, SNMPv1 and V3

PRODUCT BENEFITS

All-in-one

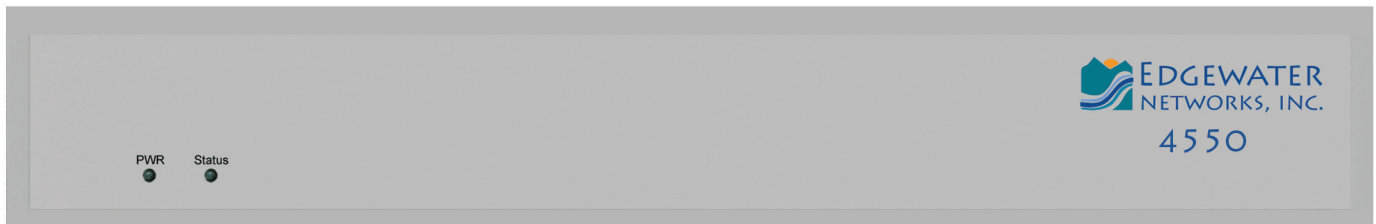
One box for your data router, Ethernet switch, firewall, VoIP ALG – with a single management interface.

Quality of Service

Packet prioritization and data traffic shaping for VoIP calls.

Simplified Troubleshooting

MOS statistics, call monitoring, LAN/WAN problem isolation from the router, TCPdump, PING , Traceroute and more.



EDGEMARC 4550

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SPECIFICATIONS

INTERFACES	
WAN	Up to 4
Ethernet WAN	1
Autosensing	Yes
10/100 Mbps	Yes
Duplex	Full or half
Ethernet LAN	4
Autosensing	Yes
10/100 Mbps	Yes
Duplex	Full or half
Managed VLAN	Yes
USB Ports	2
Console Connector	DB9 Male

TRAFFIC MANAGEMENT/QOS/ROUTING	
Prioritization on IP	Yes
Prioritization on VoIP Protocol	Yes
Traffic shaping	Yes
Guaranteed bandwidth	Yes
Upstream bandwidth management	Yes
Downstream bandwidth management	Yes
VoIP call admission control	Yes
IP routing	Yes
Secondary address/subinterface support	Yes

POWER, DIMENSIONS, CERTIFICATIONS	
Power Supply (AC) - external brick	12V, 3.0A
Power Consumption (Maximum)	32W
Dimensions (H/W/L)	1.7"/10"/7"
Weight	2 lbs.
Certifications	
UL	Yes
CE	Yes
FCC Part 68	Yes
FCC Part 15	Yes
Industry Canada	Yes
CB	Yes
ROHS	Yes

MANAGEMENT	
Web GUI	Yes
CLI	Yes
http, https	Yes
SSH, Telnet	Yes
SNMP V1	Yes
SNMP V3	Yes
TCPdump, Traceroute, Ping, Syslog	Yes
Configuration backup/restore	Yes
Remote Upgrades (FTP)	Yes

VOIP	
SIP ALG	Yes
NAT for SIP	Yes
Survivability (SIP) - station to station	Yes
SIP registration pacing	Yes
Softswitch redundancy	Yes
Proxy mode	Yes
Multi-homed proxy mode	Yes
Transparent proxy mode	Yes
Dynamic VoIP clients list	Yes
SIP RFC 3261	Yes
SIP RFC 2327	Yes
SIP RFC 3263	Yes
SIP RFC 2833	Yes

SECURITY	
Stateful packet inspection firewall	Yes
VoIP protocol aware firewall	Yes
Dynamic network address translation	Yes
Static network address translation	Yes
Port address translation	Yes
Denial of Service protection - SYN flood	Yes
Denial of Service protection - UDP flood	Yes
Denial of Service protection - ICMP flood	Yes
Denial of Service protection - Fragment flood	Yes

SYSTEM SERVICES	
DHCP Local Server	Yes
Local TFTP/FTP Server	Yes

PRODUCT	PART NUMBER	ETHERNET WAN	T1 WAN	ETHERNET LAN	802.11 WAP	PHONE PORTS (FSX)	LINE PORTS (FXO)	WAN CALLS
EdgeMarc 5	EM-4550-1-4-0-0-0-0-5	•	-	4	-	-	-	5
EdgeMarc 15	EM-4550-1-4-0-0-0-0-15	•	-	4	-	-	-	15
EdgeMarc 30	EM-4550-1-4-0-0-0-0-30	•	-	4	-	-	-	30
EdgeMarc 70	EM-4550-1-4-0-0-0-0-70	•	-	4	-	-	-	70