

# MultiCom Enterprise Ethernet

Stateful  
firewall  
included



## Enterprise-class unlimited firewall & VPN appliance for broadband Internet access

The MultiCom Ethernet Enterprise is the ideal solution for securely connecting your medium to large-sized business to the Internet and to remote sites through secure extended networks. It delivers maximum **firewall and VPN** performance as well as **unlimited node security**. At 1U rack unit, the fully integrated, rack mountable appliance employs **stateful inspection firewall** technology to protect against all external attacks with integrated **IPSec VPN** connectivity.

In addition to protecting your LAN effectively from outside hacker attacks, the MultiCom Enterprise Ethernet delivers encrypted tunnelling for virtual private networks. Built on the IPSec standard technology, it can be used as an optimised **VPN aggregator**, in both tunnel and transport modes. In order to provide enterprise-class VPN security, it includes not only well-known algorithms **DES & 3DES**, but also the most secure encryption protocol available today, **AES**.

The MultiCom Enterprise Ethernet features an intuitive administration **Wizard that greatly simplifies security management**. Administrators can configure scalable gateway protection for networks of any size through local or remote management options.

**LIGHTNING**

### LIGHTNING-Linux benefits:

Easy Configuration  
Security  
Reliability  
Feature-rich

Embedded  
LIGHTNING-Linux inside



- Security: built-in stateful firewall protects against attacks
- Virtual Private Network: IPSec VPN connectivity offering DES, 3DES, IDEA, AES & more
- Multiple connection: integrated 4-port Ethernet switch 10/100 Mbits/s plus 1 DMZ port 10/100 Mbits/s
- Time-saving: Easy configuration & remote management and firmware upgrade

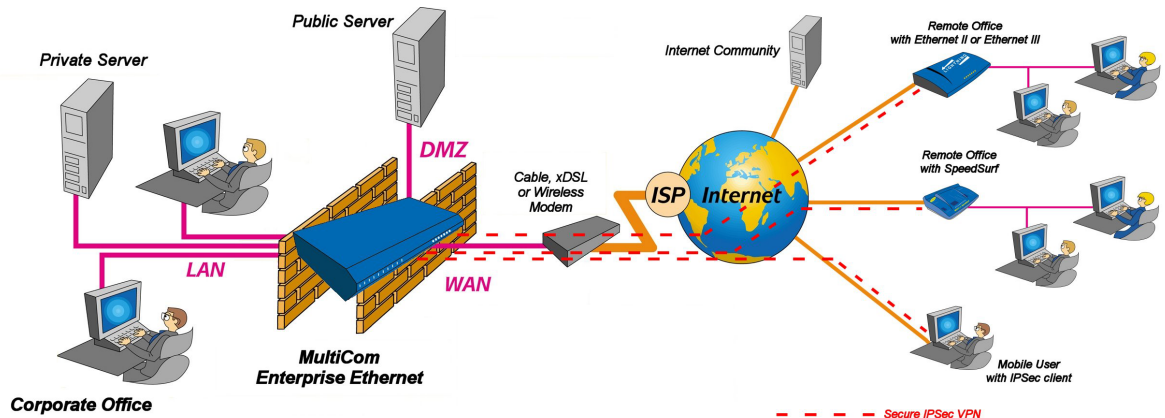
IPSec



SWISS QUALITY

# MultiCom Enterprise Ethernet Features

## Enterprise-class unlimited firewall & VPN for broadband Internet access



Flash upgradable



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Your LIGHTNING representative:

### Internet & Remote Access

- Easy Setup & Easy Firewall via the Web interface or the multi-platform configurator
- Dynamic DNS to manage changing IP Addresses
- Port & Address Translation (PAT) allows multiple (or selected) users to share the Internet connection
- Multiple PAT combined with Multiple NAT (Network Address Translation) allows new value-added services for ISPs
- *Load Sharing* on incoming traffic (for example for a Web server farm)
- Multimedia (H.323, IRC, ICO) and PPTP client connection passthrough support with NAT
- DHCP client for dynamic addressing of the MultiCom
- DHCP server (*up to 1000 clients*) for automatic assignment of IP configuration to clients or DHCP Relay on any interface
- Works with any PC, Macintosh or Unix computer with an Ethernet interface that runs TCP/IP.
- MAC hardware address and MTU size editing
- Compatible with PPPoE, for single or *multiple* concentrators (for ISP backup purpose)
- DNS proxy and cache for easier client setup

### LAN-to-LAN connectivity

- IP protocol routing
- Static and/or dynamic TCP/IP addressing
- ARP Proxy for virtual IP configuration
- Static and dynamic routing (RIP v.1 + v. 2)
- Wire-speed Ethernet performance

### Virtual Private Networks Options

- IPsec protocol VPN with Preshared and Manual Keys supporting AES (Rijndael), CAST128, Twofish, Blowfish 3DES, and DES
- SSH v1 and v2 Port Forwarding\*
- VPN Client software available

### Network Management

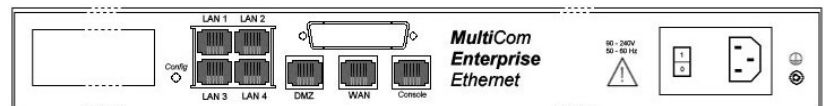
- Platform-independent configuration and monitoring tool with multi-language Graphical User Interface
- Embedded multi-language web interface (Apache-based)
- Flash EPROM for Web-based firmware upgrades, locally and remotely
- Event-driven management with customizable Syslog messages
- Telnet, console and ssh Command Line Interface (CLI) with network tools like ping, traceroute, and name server lookup
- Network Services like SNMP v. 2 Agent, NTP, and FTP
- Password-protected System Management for access control
- Secure SSL (HTTPS) & SSHv2 (telnet) for remote configuration
- DNS Server to name internal servers and workstations\*

### Security

- Powerful Stateful Packet Inspection firewall for controlled access to/from your network, for *unlimited* clients (simple and advanced configuration interface)
- Can protect against External Intrusions, Denial of Service (DoS), Port Scanning and Spoofing Attacks
- Network Intrusion Detection System (NIDS) with SNORT\*
- Digitally-signed firmware upgrades
- URL Filtering to block access to unwanted Internet sites\*

### Physical Interfaces

- Dimensions: 44.1 x 23.5 x 4.4 cm (19"rack 1U)
  - Weight: 2.8 kg
  - Ethernet: LAN Switch 4 x RJ-45 MDI-X 10/100 Mbits/s
  - WAN 1 x RJ-45 MDI 10/100 Mbits/s
  - DMZ 1 x RJ-45 MDI 10/100 Mbits/s
  - Console: 1 x RJ-45 RS-232 (Tx/Rx only)
  - Display: WAN, DMZ, LAN1-4, Security, Power
  - Power: 100-220 V AC, 50-60 Hz, 0.5 A
  - Temperature: 5° to 40° C
  - Humidity: 10% to 85%, non-condensing
  - Noise level: Noiseless
  - Security: Kensington Lock Slot
  - Configuration: Default config button
- \* This feature was not available at press time.



For ordering information, please contact your distributor or LIGHTNING Instrumentation SA.



Windows



Includes Netscape Communicator

Includes Microsoft Internet Explorer