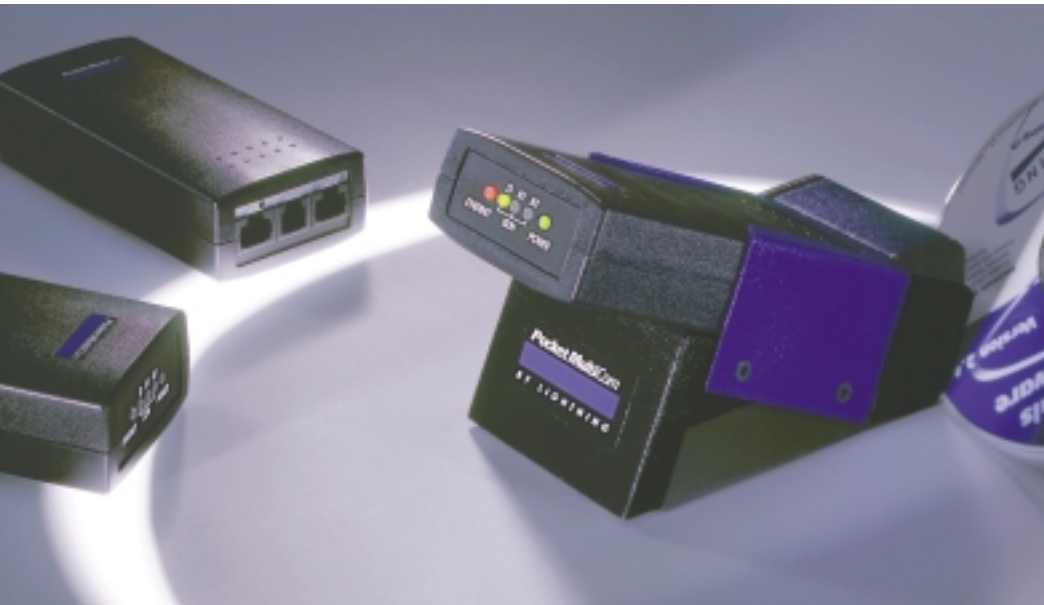# Pocket *MultiCom*



## *Fast and Secure access to Internet*

The **Pocket MultiCom** is not only the world-smallest ISDN Internet Access Router, but also the most easy to configure and to use. With its **AutoConfiguration™**, it not only configures itself, but also all your computers for Internet access.

Its integrated firewall **SecureWall™** protects your computers against Internet-hackers, while the 128-bit key strong **encryption** option allows for links through ISDN and Internet (VPN) with the highest security level.
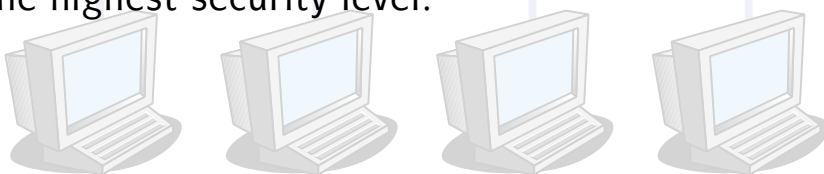
## Highlights

- Very easy to configure: AutoConfiguration™ for MultiCom and computers
- Built-in Firewall
- Multi-Internet™
- Save cost thanks to standard compression
- Optional 128 bit key encryption

the Secure Router
**Swiss Banks**
are using...

**SWISS QUALITY**

**LIGHTNING**

# The ISDN Internet Access Router

**Internet**

**ISP**

Dynamic IP address

ISDN

**Port & Address Translation**

IP configuration (local IP address, DNS,...)

**Ethernet**

## Flash upgradable

**LIGHTNING Instrumentation SA**
**Avenue des Boveresses 50**
**CH-1010 Lausanne**
**Switzerland**

**Phone** +41 21 654 2000
**Fax** +41 21 654 2001
**E-mail** info@lightning.ch
**Web** www.lightning.ch

## Internet Access & Remote User

- Connects all (or selected) local users to the Internet
- Allows remote users to dial into your local network
- Allows simultaneous connections to two different locations (and up to 50 always ready connections thanks to the Never Busy Line™ feature).
- 128 Kbps ISDN guarantees high throughput that is not affected by marginal line quality.
- The ideal high-speed Internet access solution for SOHO and branch office. Over four times faster than 28.8 Kbps modems
- Multiple Port Address Translation (Multi-PAT) allows multiple users to access the Internet simultaneously paying only for one Single Internet User Account while combined with Multiple Network Address Translation (Multi-NAT) allows differentiated services features implementation.
- DHCP Server automatically assigns IP configuration to Windows 95/98/NT, Apple Macintosh and UNIX clients on the LAN
- Works with any UNIX, Macintosh, or PC computer with an Ethernet interface that runs TCP/IP. DHCP addressing is preferred but not necessary
- Compatibility tested with all other major ISDN routers and all major ISPs

## LAN-to-LAN connectivity

- Multi-protocol routing: IP and Novell™ IPX
- Transparent bridging
- Static and dynamic TCP/IP addressing
- Supports RIP and SAP for IPX
- IPX spoofing for RIP, SAP, SPX, serial and keep-alives saves ISDN connection costs

## Protocols and Compression

- Bandwidth-on-Demand provides flexible bandwidth when needed
- PPP/MP (for 128 Kbps channel bundling)
- Dynamic DNS configuration
- Dial-on-Demand routing, which dials the ISDN line only when it is needed and then automatically takes the connection down when idle
- Supports Hi/fn™ Stac LZS® data compression
- Easy configuration and network management thanks to dynamic addressing of the MultiCom and remote workstations

## Network Management and Control

- Built-in Web-Based Management
- Local console and remote management via Telnet, FTP, HTTP and SNMP (option)
- EasyConfig™ wizard for Windows 95/98/NT
- Call Detail Records provide efficient tracking of incoming and outgoing calls
- Flash EPROM for easy firmware upgrades, locally and remotely
- Easy troubleshooting thanks to detailed PPP status and tracking of line-opening packets

## Standard Security Features

- Password-protected System Management
- PAP (Password Authentication Protocol)
- CHAP (Challenge Handshake Authentication Protocol) with periodical challenge
- CLI (Calling Line ID)
- PPP call-back with Password Protection
- ISDN call-back with CLI
- Firewall filtering for controlled access to your network with SecureWall™
- Multiple ISDN Closed User Group (CUG) support
- Selective IP Address Routing

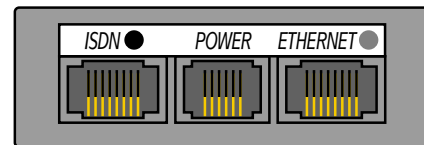## Security Encryption (option)

- Router-level or link-level encryption
- IDEA™ 128 bit key algorithm conforming to highest security standards
- DES encryption (40-bit and 56-bit key)
- Triple-DES
- Visual Security Display

## ISDN Network Compatibility

- For Worldwide use: EuroISDN, supports DSS1, Japan INS-NET64, Taiwan DGT switches and Singapore TAS
- ISDN BRI (Basic Rate Interface) $S_0$ - two 64 Kbps B-channels
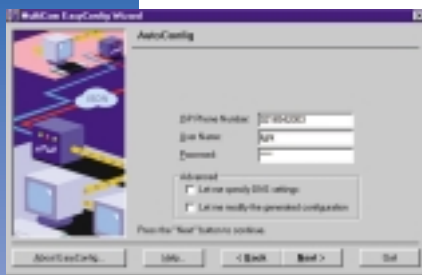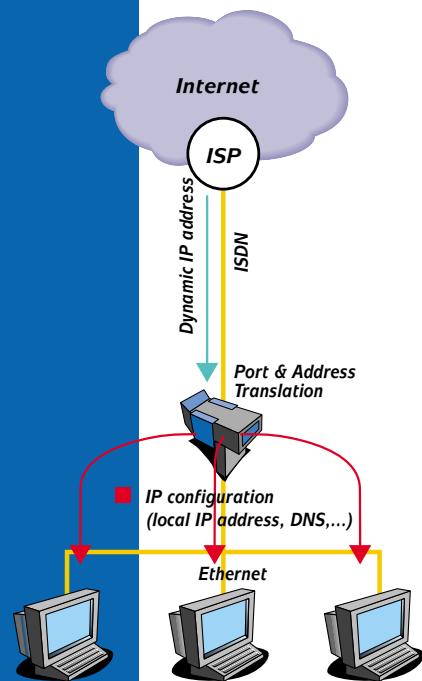- Leased ISDN support (D64S, D64S2, $TS_0 1$, $TS_0 2$, SD64, HSD128)

## Physical Interfaces

| | |
|---|---|
| • Dimensions: | 12 x 6 x 3 cm |
| • Weight: | 0,14 kg |
| • Ethernet: | 10-base-T RJ45 10 Mbits/s compatible with auto-sense 10/100 Mbits/s interface |
| • ISDN: | BRI $S_0$ RJ45, 2 x 64 Kbits/s MSN or DDI Mode |
| • RS-232: | Rx/Tx console for local configuration and management |
| • Display: | Ethernet, D, B1, B2, Power |
| • Power: | 6 V DC, 0.3 A |
| • Temperature: | 5° to 40° C |
| • Humidity: | 10 % to 90 % non-condensing |
| • Option: | Docking station |

ISDN ●    POWER    ETHERNET ●

## Ordering Information

http://www.lightning.ch/products/pocket.html

**Your LIGHTNING representative:**

## Web: www.lightning.ch/products/pocket.html

   **Windows 95/98/NT**       **hifn**    Includes Microsoft **Internet Explorer**

Includes **Netscape Communicator**

## The MultiCom family