



3 1/2 " Diskdrive Size ISDN Internet Access Router

Intranet Working Solution with Internet Access, Fax and Firewall

BinTec Communications offers a new full-featured entry-level ISDN Internet Access Router in 3¹/₂" diskdrive size format to users with stand-alone PCs as well as small-sized companies.

The new device fits into any 3¹/₂" , or with the included adapter, 5¹/₄" floppy disk slot of a PC, Macintosh, NT Server or other.

For the use in Small Office/Home Office (SOHO) environments the user needs access to fax and network services like email, Internet access (WWW), or an Intranet connection via ISDN.

With its 8-user license for LAN and the 4 ISDN WAN partners, the plug-in router is ideally suited for this working environment.

Connected via the twisted-pair LAN-interface to the PC and via the BRI interface to the ISDN network, the user has direct and transparent access to the Internet or the corporate network (Intranet) with all of its resources.

As a CAPI server this plug-in router provides all CAPI applications (e.g. softfax and filetransfer from RVS-COM) with networkwide access to ISDN.

Through the BinTec Advanced Network Communication Architecture, BinTec's new ISDN Internet Access Router can operate from different platforms such as DOS, Windows 3.x, Windows 95, Windows NT, UNIX, MacOS, AS/400 and Novell.

The ISDN Internet Access Router is compliant to the RFCs, LAN and ISDN specifications and supports industry standards like STAC, TCP/IP and SNMP.

SNMP (Simple Network Management Protocol) is the standard that is normally used to manage large networks. Since remote offices are an integral part of a corporate network, it makes sense for the system administrator to manage and supervise remote offices by using the same standards and tools he uses at the central site. Therefore this router offers extensive capabilities to be administered remotely. The unit can be accessed and configured completely independent of the user's PC status, operating system or skill - system setup and access rights remain under complete control of the central site administrator.

Highlights

- n ISDN Internet Access Router in diskdrive size format with built-in twisted-pair Ethernet port, Node/Hub switch, ISDN BRI interface, serial console port and power select switch (internal/external supply)
- n single 5V DC supply from PC power supply or external wall unit (optional)
- n all plugs and switches accessible from the PC backplane
- n Intranet remote access solution with TCP/IP and IPX routing, STAC data compression, softfax and email support
- n ISDN protocol autoconfiguration supporting Euro-ISDN, 1TR6, N-ISDN-1, N-ISDN-2, AT&T 5ESS, DMS100, Japan INS64
- n Completely locally and remotely manageable via Ethernet, ISDN, or serial port using SNMP or the integrated configuration setup tool
- n Full remote configuration and maintenance via Ethernet and ISDN-login
- n Supports the industry standard CAPI for PC based telematic services
- n Complete set of management tools is included
- n Built-in SAFERNET™ technology: complete set of security mechanisms to prevent system violation at any level
- n Built-in cost control features: detailed accounting for TCP/IP packets and ISDN calls, dynamic coupling of ISDN channels, data compression, and intelligent ISDN line management

The ISDN Internet Access Router in 3¹/₂" Diskdrive Size Format

T e c h n i c a l D a t a

Diskdrive Size:

ideally suited for stand-alone PCs and remote offices

The plug-in router is specifically designed to fulfill the high-level demands in small-office environments like stand-alone users and remote office users in a small LAN.

The diskdrive size format router therefore

- n offers a simple-to-manage solution where administration and access control can remain at the corporate central site
- n integrates the remote office into the workflow with data, fax and email information of the corporation and associated offices
- n meets and expands the security requirements of corporation to remote office links
- n capitalizes the investment through low cost-of-ownership, platform transparency, free software updates and entry-level user skills

Plug and Play connectivity

- n Autoconfiguration of the integrated ISDN interface
- n Integrated easy-to-use configuration setup tool
- n World Wide Web: Easy internet access through integrated TCP/IP router which allows direct connection to Internet Service Providers using dynamic IP address assignment
- n LAN-to-LAN connectivity between a central-site and SOHO: Remote access clients offer direct access to all TCP/IP or IPX networks
- n Direct access to fax and email services: compatible with the CAPI 1.1/2.0 Common ISDN API for telematic applications
- n Completely remote manageable: via ISDN-login and SNMP agent, the plug-in router can be controlled from the central site or any other authorized company location
- n Complete set of tools and comprehensive online documentation on the BinTec Companion CD-ROM

SAFERNET: embedded security and firewall technology

- n NAT, Network Address Translation: a complete firewall to easily protect a stand alone PC or a complete network (includes logging of violation attempts)
- n Detailed accounting of ISDN and IP connections
- n Access lists: filtering of IP and IPX packages according to different criteria (source, destination, port and interface address)
- n Virtual Private Network VPN, using PPTP (Point-To-Point Tunneling Protocol)
- n Microsoft Point-To-Point Encryption MPPE with 40/128 bit key length
- n ISDN CLID: Calling Line Identification
- n Callback: do not accept the caller, call back
- n PAP, CHAP and MS-CHAP authentication

Software features

- n TCP/IP routing - Internet
 - Detailed IP-Accounting (Src., Dest. Address and Port, used interfaces, counters for transmitted packets and bytes)
 - Routing information update and distribution static or dynamic (RIP v1, RIP v2), selectable for every interface
 - ProxyARP supported
 - BOOTP/DHCP forwarding supported
 - DHCP server included
- n IPX routing
 - RIP and SAP spoofing
 - Spoofing of SPX/IPX Watchdogs and 'Broadcast Message Waiting' packets
 - RIP-/SAP-update triggered or piggy-backed
 - Access lists
- n Autoconfiguration for the ISDN interface
- n Many protocols supported (Euro-ISDN, 1TR6, N-ISDN-1, N-ISDN-2, AT&T 5ESS custom ISDN, Northern Telecom DMS-100, Japan INS64)
- n Detailed ISDN Call Accounting, includes dialing numbers, charging information, causes for disconnect, counters for packets and bytes, related ISDN signaling information
- n Many different B-channel protocols available to achieve interoperability with other manufacturers (PPP, Multilink PPP, Raw-HDLC, CISCO-HDLC, X.75)
- n Built-in STAC data compression for higher bandwidth usage up to 512 kbit/s with channel-bundling
- n ISDN-PPP-Features
 - PAP, CHAP and MS-CHAP authentication
 - Standard PPP and Multilink PPP
 - MPPE Microsoft Point-To-Point Encryption
 - dynamic IP address assignment (server and client mode)
 - excellent compatibility with other manufacturers
- n Completely SNMP manageable
 - supports MIB-II, enterprise MIB
 - SNMP-Management Software for Windows (DIME Tools and DIME Browser) is included
- n Supports CAPI 1.1 and 2.0 as multi-CAPI as a remote device
- n RVS-COM Lite version for Windows 95 and Windows NT

Hardware

- n ISDN interface: BRI, 2 B channels
- n LAN: integrated Ethernet, twisted-pair, with Node/Hub-switch
- n Serial: Submin-9 male (PC), 1200 bit/s - 115 kbit/s, slimline-DB-adapter 9 pin/25 pin
- n Power supply: from PC, or external single 5V DC (optional)
- n Status-LEDs: power, message, LAN, ISDN-B1, ISDN-B2, error
- n Dimensions: approx. 100 x 25 x 150 mm (W x H x D)
- n Weight: approx. 200 g, incl. metal case

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