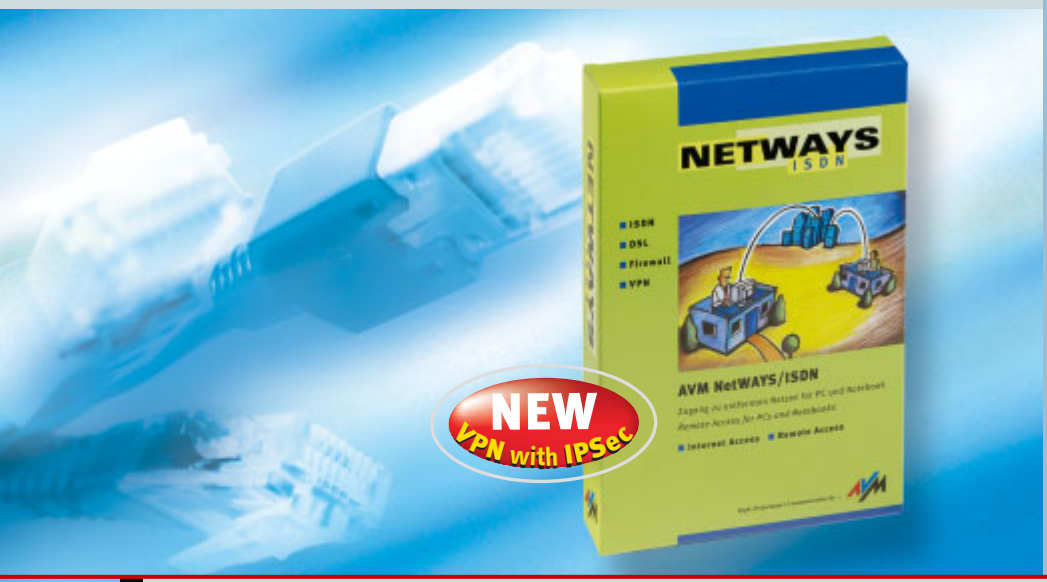
NetWAYS/ISDN is a client for VPN, Internet and remote access that provides professional users with secure, powerful and cost-effective access to the corporate network via ISDN, DSL, GSM and VPN connections.



- Remote access for PCs and notebooks
- Supports ISDN, DSL and mobile ISDN (GSM, HSCSD)
- Virtual Private Network (VPN) with IPsec
- Cost-saving line management
- High-level security through state-of-the-art encryption

AVM NetWAYS/ISDN

Remote Access for PCs and Notebooks

Remote Access for PCs and Notebooks

NetWAYS/ISDN for PCs and notebooks is the professional connectivity solution for simple and secure remote access to the corporate network or to the Internet. NetWAYS/ISDN is primarily suited to the following tasks:

- Connectivity for home offices (telecommuting)
- Connectivity for field employees (mobile working)
- Connectivity for branch offices

NetWAYS/ISDN provides a secure (VPN) IP connection to the corporate network via the Internet or through a direct ISDN/GSM dial-up connection. The best thing about it: almost all LAN applications can be run remotely without any modifications. Classic LAN applications such as e-mail, file and printer sharing, terminal emulation (e.g. Citrix Metaframe) or database applications (e.g. SAP/R3) are available in the same way as they are from the desktop in the corporate office.

VPN Client

NetWAYS/ISDN uses an integrated VPN client to set up a secure tunnel to the corporate network via the Internet. The advantages: the only cost incurred by either site, regardless of location, is the charge for Internet access. Furthermore, VPN supports the use of technologies that provide nothing more than Internet access, but at attractive speeds or rates: DSL or GPRS, for example.
NetWAYS/ISDN takes full advantage of the established, open and widely deployed "IPsec" VPN tunnelling protocol. NetWAYS/ISDN supports a variety of IPsec encryption standards: in addition to the obligatory DES and 3DES, which allow connectivity to 3rd party VPN devices, NetWAYS/ISDN also supports the state-of-the-art Advanced Encryption Standard (AES) algorithm, with key-lengths of up to 256 bit. Even the most sensitive data is safe from prying eyes.

Comfortable Dial-Up Access

In addition to VPN connectivity via the Internet, NetWAYS/ISDN also offers the option of direct dial-up access to the corporate network through ISDN or GSM (including support for fast HSCSD). In conjunction with advanced ISDN features, the integrated PPP stack (independent of the Dial-Up Networking client) provides numerous features: Short Hold Mode ensures that connection costs are incurred only for the time during which application data is actually transferred – a key factor in providing cost-effective remote access. By dynamically managing call set-up and clearance in the background, NetWAYS/ISDN makes life easier for the user.
It goes without saying that NetWAYS/ISDN fully utilizes incomplete charge units - based on either pre-configured cost profiles or by automatically detecting the current charge rate. The direct dial-up feature list is rounded off by the capability to automatically assign all connection costs to the server site (COSO) as well as the ability to dynamically aggregate ISDN B channels based on data load.

High Performance and Power

Both ISDN and DSL provide sufficient bandwidth for today's Client/Server applications. Thanks to on-the-fly payload data and header compression, NetWAYS/ISDN is able to achieve further performance increases. As a result, speed can be increased by up to 200%, depending on the type of data. For applications with greater bandwidth requirements, additional ISDN B channels can be aggregated dynamically based on the current data load. Payload data compression is also available for connections to Internet Service Providers that offer support for "Fast Internet over ISDN". Support for IPComp also enables this feature to be utilized with VPN connections regardless of the Internet Service Provider.

Features in Detail

Cost-Efficiency

- Short Hold Mode with charge rate detection and rate profiles
- Filters: NetBIOS, SNMP, IP Multicast
- Spoofing: ARP, NetBIOS
- Call-cost assignment to either server or client site (COSO - Charge One Site Only)
- Connection and charge statistics
- Log with comprehensive cost information

Data Transfer Performance

- PPP payload data compression in accordance with Stac and MPPC
- TCP header compression
- Aggregation of two ISDN B channels
- Dynamic load-dependent channel aggregation (configurable threshold)
- VPN connections: payload data compression with IPComp

Compatibility

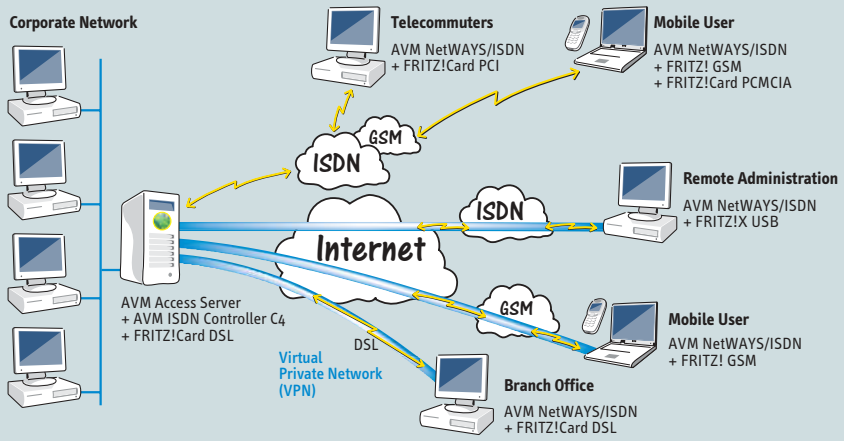
- AVM Access Server
- Remote access servers/routers with PPP over ISDN (RFC 1618)
- ISPs with PPP over ISDN (RFC 1618)
- IP-Masquerading/NAT
- Callback and Multilink PPP, BAP/BACP
- Filter and spoofing in accordance with PSCP
- PPP data encryption (ECP, RFC 1968) with Twofish algorithm (256-bit keys)
- DSL support with PPP over Ethernet and PPP over ATM (PPPoA only with FRITZ!Card DSL)
- GSM and HSCSD with FRITZ!GSM
- Supports ISDN leased line

VPN Client

- IPsec with Authentication Header (AH) and Encapsulating Security Payload (ESP)
- Internet Key Exchange Protocol (IKE), Main Mode and Aggressive Mode
- Tunnel Mode
- Payload data compression with IPComp (with Deflate, LZS, LZJH)
- SHA-1 and MD5
- Encryption with AES (128, 192, 256 bit), DES, 3DES
- Draft XAUTH and config mode
- Draft IPsec Dead Peer Protection
- Simple import of VPN settings from AVM Access Server
- VPN via NetWAYS/ISDN Internet connection (ISDN, DSL, GSM) or via Dial-Up Networking

Interactive Control

- Menu-driven call set-up, connection management and monitor
- Automatic network connection launch (even before Windows log-on)
- Control via API for custom applications



Fully Integrated VPN Client and Internet Access.

Of course, dynamic call set-up and clearance are also features of Internet access through ISDN, DSL or GSM connections. VPN users benefit from this feature: by incorporating the VPN tunnel and the Internet connection in one product, the VPN client is able to detect temporary breaks in connectivity and to instantly re-negotiate the VPN tunnel parameters upon resumption of the Internet connection.

Simple and Convenient

NetWAYS/ISDN can be configured to automatically set up a network connection when the PC is switched on, without additional user intervention. Complete integration as an operating system service means that this can even be launched before the user logs on under Windows NT/2000/XP. Alternatively, the software provides an intuitive user interface for interactive operation. Simple wizard-supported installation and configuration routines add to ease of use, as does the ability to define numerous location and hardware profiles in mobile utilization scenarios. Network administrators will also welcome the ability to import VPN settings from the AVM Access Server as well as the support of unattended installation.

System Requirements

- Standard PC with 64MB RAM
- Minimum: Intel Pentium 200MHz or equivalent CPU
- AVM ISDN controller or FRITZ!GSM
- For DSL: AVM FRITZ!Card DSL or external DSL modem via Ethernet and PPPoE
- Windows XP/2000/NT or Windows Me/98
- For VPN connectivity via Dial-Up Networking: Windows XP, 2000

The NetWAYS/ISDN Product Family

The following products are available:

- NetWAYS/ISDN v6.0, 1 User (2000 1863), includes CD-ROM and manual (German)
- NetWAYS/ISDN v6.0, 10 User (2000 1864)
- NetWAYS/ISDN v6.0, 20 User (2000 1865)
- NetWAYS/ISDN v6.0, 50 User (2000 1866)

Updates from previous NetWAYS/ISDN versions are also available.

HIGH-PERFORMANCE COMMUNICATION BY . . .

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