

Detailed description of our current products

elmeg VoIP-VPN-gateway

VoIP-VPN Gateway module for linking your elmeg ICT PABX to your local network and to the Internet

- VoIP:
Connection of IP telephones with SIP standard in the local network for the ICT system
- VoVPN:
Incorporation of IP telephones with SIP standard as external extensions via a secure VPN connection
- System telephony:
Pre-configured for connection of elmeg IP-S290 and IP-S400 IP system telephones
- SIP-Carrier and SIP-Provider:
Login at the SIP provider, i.e. possibility for low-priced Internet telephony
- LCR / ASR:
Incorporation of the SIP providers into the LCR Professional, with selection of the most reasonably priced connection route.
(LCR – Least Cost Routing, ARS – Automatic Route Selection)

Features

- Network protocols: PPP over Ethernet (disconnectable), ARP, IP, ICMP, TCP, DHCP, DNS, PPTP
- DHCP-server: Automatic configuration of the connected PCs with DHCP (IP-address, DNS-server, gateway,); disconnectable
- Automatic Internet access: easy configuration thanks to list with common ISPs
- Short Hold: Automatic termination of an Internet connection after a configured time when idle (no exchange of data)
- Stateful Inspection Firewall: Configuration of pre-configured filters for different clients (http, smtp, ftp, ...) and servers (Web server, mail server, etc.) Applications
- VPN / IPsec: Secure Internet connections between locations for voice and data transfer
- IP-Masquerading/NAT: IP addressing over one IP address; static/dynamic IP-address allocation on the WAN-port; masking of TCP, UDP, ICMP, FTP; DNS- Forwarding
- DynDNS: Supports dynamic DNS with different providers
- DNS-Proxy / DNS-Server: A proxy assumes a surrogate function for the local network (LAN) in a different network and resolves IP-addresses.
- ICT configuration using a LAN-PC
- LAN-TAPI / LAN-CAPI: Enables Computer Telephony Integration (CTI) and CAPI services (e.g. PC fax, PC answering machine) at workstations in the local network
- RAS-Server: ISDN dial-in to the local network with up to four simultaneous connections and caller ID
- RAS-Callback: Automatic callback of a RAS-client over the line using the Microsoft Callback Protocol

as of: August 11, 2005 – subject to modifications

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Configuration and charge logging

Convenient configuration and administration of the ICT system via the local network, for example for management of the system-specific telephone directory or for charge evaluation.

- Professional Configurator:
Configuration of a connected gateway through a PABX interface (USB, RS232/V.24, internal ISDN, external ISDN, Ethernet)
- Control Center:
Monitoring of Gateway activity of workstations within the local network, manual setup or termination of WAN connections, status indicators for LAN-CAPI and LAN-TAPI
- Charge Manager:
Logging of connection and online time, number of connections and data volumes transferred, storing of connection data record in the PABX system

Software package

- Programs for configuration and cost logging provided on the WIN-Tools CD for the ICT PABX system, or on the Internet at www.elmeg.de
- LAN-CAPI and LAN-TAPI drivers provided on the WIN-Tools CD-ROM supplied with the ICT pabx- system

Hardware features

- 4 x Ethernet IEEE 802.3, 10/100Base-TX (RJ45), Autosensing, Full Duplex operation)
- Connection to the ICT-PABX by flat cable
- 2 slots for DSP-modules (M 4 DSP or M 8 DSP)

M 4 DSP / M 8 DSP

4 DSP or 8 DSP module for expanding the VoIP-VPN Gateways by highly compressed voice channels

- Enables transfer of IP voice data to the traditional voice network and vice versa
- Speech compression (Codecs) as per G.711, G.723.1, G.726 and G.729a/b
- IP telephony or PABX IP system telephones can be integrated into the traditional voice network (ISDN or POTS).
- Traditional terminal devices (analog, ISDN) in the PABX system can utilize Internet telephony (VoIP)

Hardware features

- M 4 DSP: Module with 4 speech channels
- M 8 DSP: Module with 8 speech channels

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