Cybergear Gold

Integrated ISDN voice PBX and data router.

Product Features

Integrated Voice PBX
- 6 analogue ports for telephone, modem and fax.
- All features supported on low-cost caller display phones.
- Full call processing including :
    Hunt groups
    Line groups and sub-addressing
    Night service
    Voice mail
- Call logging

Computer Telephony
- Basic rate ISDN for voice and data networking.
- Caller display on telephones and/or PCs
- Call status displayed on PC
- Voice-mail integrated with standard Microsoft E-Mail (Outlook/Exchange)
- Supports third-party Microsoft TAPI and MAPI application software

Integrated data Router
- 10Mbps, 10 base-T Ethernet, connection
- PPP, Multi-link PPP, V.120, V.110 and BACP standard communications protocols for interoperability
- Standards based PAP and CHAP connectivity security
- Secure Firewall
- Standards based CCP, Stac* and MPPC* data compression increases throughout across WAN links

Easy Management and Administration
- Simple installation Wizard
- Intuitive Windows GUI Manager
- Centralised adds, moves and changes
- Single or multiple points of control
- Local and/or remote management
- Call logging output to database application

Why choose Cybergear Gold?
It is a fully featured and affordable ISDN voice PBX and Data Router, allowing even and the smallest companies or offices to benefit from the convergence of voice and data communications.
Easy-to-install, Cybergear Gold provides high-speed communications for voice, data and video over ISDN to the Internet, Intranet, Extranet, Public Switched Telephone Network (PSTN), or other private network infrastructures.

Small Office Connection for Voice and Data
Ideal for the small office, it allows standalone or networked PCs to take advantage of digital ISDN connections, which provide up to 128kbps of data and/or voice traffic.
All the benefits of ISDN; sub-second call set-up, noise-free transmissions, simultaneous multi-channel operation, are combined in the Cybergear Gold with an easy Windows Control Panel. Users will welcome the high downloading of files and interactive sessions, which have the added benefit of saving costs

Cybergear Gold provides direct connectivity to a PC, Workstation, Server or hub for Maximum 128kbps available bandwidth. Cybergear Gold includes both Stac* and MPPC* (Microsoft Point to Point compression) standards, to provide increased throughput from 2:1 to 8:1 across these links; providing up to 1Mbps of data throughput across ISDN

Simple Installation and Control

Cybergear Gold is designed for users who need advanced communications facilities, without being network experts. For connectivity to the Internet, the Installation Wizard allows users to connect via ISDN to their chosen Internet Service Provider within minutes of first opening the package. Cybergear Gold includes a complete Windows setup and control panel utility. This allows users to monitor every aspect of calls being made; where they are connecting to, call duration, call cost and call history. This application may be left open to allow an instant view of activity on the connections when needed.

Computer Telephony (CT) For All

Cybergear Gold brings the benefits of CT, until now only economic in large call centers, within reach of even the smallest office. Up to 6 standard telephones can be connected to Cybergear Gold, and due to the tight integration between the extended telephony features and the high speed data connections, each telephone can be linked to a user's PC, utilising Microsoft's Telephony API (TAPI), to provide a myriad of value added features. TAPI is an inherent feature of Windows NT and Windows 95. All incoming calls can be monitored and logged on a user's PC. The incoming caller number can be displayed on both standard telephones supporting this function and on associated PC screens. Cybergear Gold supports easy routing of incoming calls. Furthermore, support for Enhanced Telephone Services/Star Services means users can take advantage of value added public network facilities such as call holding where available.

The Cybergear Gold defines a new level of Computer telephony convergence, with unanswered calls being directed to a digital voice mail service. The recorded message is then forwarded to Windows mail, providing a unified voice and e-mail messaging interface. Cybergear TA is fully compatible with Windows 95 and takes advantage of many of Microsoft's in-built Computer Telephony features and facilities.

Standards Based Connectivity

Cybergear Gold provides connectivity to third party routers and remote access servers using standard PPP and Multi-link PPP protocols. Where rate adaptation is needed, from the incoming data port, V.120 is used. To provide greater security and throughput, whilst V.110 support allows mobile communications via GSM mobile phones. For access security, both password Authentication Protocol (PAP) and Challenge Handshake Authentication (CHAP) are provided for use during connection negotiation. Support for these authentication protocols ensures that the Cybergear Gold can securely connect to any standards based network, with optimum throughput.

Specifications

Interfaces

ISDN S/T :   RJ45 ETSI S/T Interface
                CTR3 for Pan European Connection

POTS :   3 Dual ports supporting standard DTMF analogue telephone handsets (Total 6 ports)

LAN :   RJ45 10Base-T Ethernet Interface 10Mbps

DTE :   25 way connector for Async connections, via integral ISDN TA

Power :   12Vdc Power jack. See Below

Protocols :   PPP, Multikink PPP, V.120, V.110, BACP, PAP, CHAP, CCP, Stac*, MPPC*
                DHCP,NAT, TCP/IP

Power :   12Vdc 1A. Power Adapter CE Safety Approved.

Included with the Cybergear Gold is:

    1 x Installation Wizard CD
    1 x ISDN Cable
    1 x Serial PC Cable
    1 x Power Supply
    1 x Installation Manual

Ordering Information

Item	Code
Cybergear GOLD	ISU9402E