An affordable, ISDN encryption device for branch and small offices.

SECURITY APPLICATIONS
- Videoconferencing
- Voice, Data & Fax
- LAN-to-LAN Connectivity

Babylon *Basic Encryptor*

The Babylon Basic is an ISDN BRI Encryptor, which provides end-to-end authentication and encryption for safe and secure communications across switched digital networks.

Featuring a single Basic Rate Interface and simple installation, the Babylon Basic offers the ideal and affordable, compact information security solution.

Promptus INFOCrypt™
Secure access to a digital world.

Babylon™ Basic is an advanced, digital encryption device equipped with an ISDN Basic Rate Interface (BRI) port. It is simply placed in front of the end-user device, such as an ISDN telephone, fax, personal computer or video-conferencing system and is especially suitable for branch offices, small offices and home offices.

Secure Videoconferencing
Babylon Basic is ideal for the deployment of secure videoconferencing networks operating at data rates of 128 Kbit/s. Encrypted point-to-point, multipoint or hybrid conferencing networks are all supportable by Babylon Basic at network end-points and multipoint control unit hubs. Or, combine Babylon Basic at end-points with Babylon 4xBRI or Babylon PRI at the hub site for larger networks. Operating seamlessly between public and private networks, Babylon Basic is completely transparent to end-users.

Encryption
Babylon uses hardware-supported symmetric 192-bit triple-DES encryption algorithms for encrypting the data stream. For every new communication session, Babylon Basic automatically generates a unique key by means of the Diffie-Hellman public key exchange protocol. Users can also define their own set of keys and assign them to the different logical links.
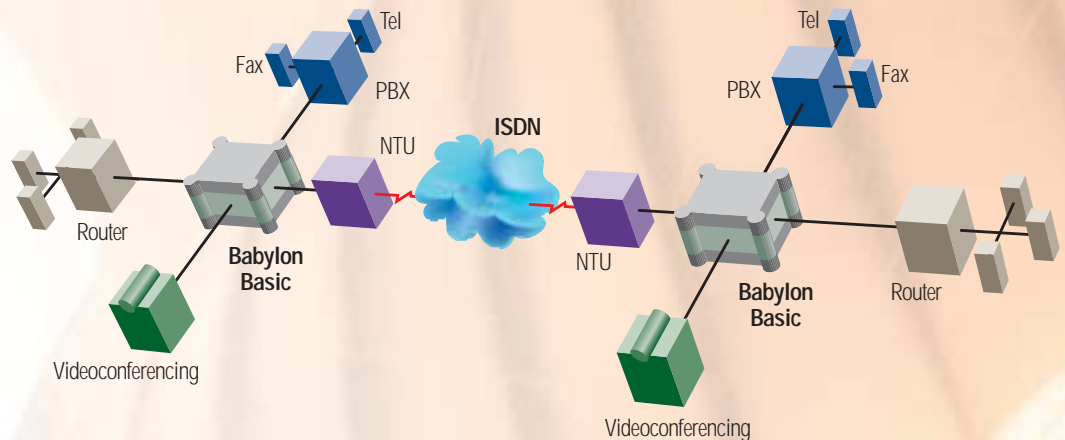
Remote Management
SecurityManager allows authorised administrators to centrally manage encryption keys, install new firmware and configure devices. Babylon devices support SNMP and Syslog. Extensive monitoring capabilities about every connection provide network managers with real-time system status.

Babylon*Basic Encryptor*

Applications

Babylon Basic is the affordable choice for connecting one, two or three Basic Rate devices to a single Basic Rate service. Each application device contends for the available encrypted bandwidth, enabling optimal use of network resources.

Chassis Dimensions (H x W x D)
• 8.31 x 4.09 x 11.54 in (211 x 104 x 293 mm)

Weight
• 4.41 lbs (2 kg)

Power Requirements
• Voltage input: 80 to 240V AC
• Nominal frequency: 47 to 63 Hz
• Input power (max): 18W
• Voltage output: 15V DC

Operating Requirements
• Operating temperature: 32 to 104ºF (0 to 40ºC)
• Atmospheric Humidity: 0 to 70 %

Interfaces
ISDN Ports
• RJ-45 ports (1 x input / 3 x output) to connect ISDN devices
Management Ports
• RJ-12 port (V.24) for local management
• RJ-45 port (10BaseT) for monitoring and encrypted network configuration & key management

Features
• Protocol-transparent, full-duplex operation
• 1-4x Basic full line-rate encryption
• Compliant with N1 and E-DSS1 ITU-T or ANSI ISDN standards, e.g. ITU 430, 431, 441, 451, ETS 300 102.
• Supports leased-line connections 64S & 64S2, S01 & S02

Encryption
• Full line-rate encryption in high-speed networks up to 128 Kbit/s
• Independent encryption key for each logical link
• 64-bit DES in ECB, CFB, CBC
• 192-bit 3DES (Triple-DES) in ECB, CFB, CBC
• Diffie-Hellman public key management (1,024-bit)

Management
• Remote and user-friendly management of all Babylon devices within a network using the SecurityManager
• Devices store alarm events in memory with time and date stamps
• Automatic system self test on boot-up
• Monitoring via SNMP and Syslog

Features
• Compact encryption platform for communication lines of up to 128 Kbit/s
• Hardware-based, approved Triple-DES encryption (192 bit)
• Secures ISDN (voice, data, fax, videoconferencing), Serial Links, X.25, Frame Relay, Link-HDLC, Link-Bitstream and mobile satellite connections (Inmarsat)
• Operates seamlessly between private and public networks
• Modular design for investment protection and cost reduction
• Secures teleworking and telemedicine environments
• Completely transparent to end-users within the secured environment
• Enforces policies as defined by the security system administrator
• Remote management using SecurityManager

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Biodata SYSTEMS

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