

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

Babylon™ Basic

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.

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 videoconferencing system and is especially suitable for branch offices, small offices and home offices. By translating data into a secret code, Babylon Basic secures the transmission of data packages through public communication circuits. Now, network engineers can safely link the internal infrastructure to other LANs or WANs without compromising corporate security policies.

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 Basic 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 securely manage the encryption keys, installation of new firmware and configuration of the remote Babylon. Babylon devices support SNMP and Syslog. Extensive and configurable monitoring capabilities provide network managers with real-time system status about every connection.

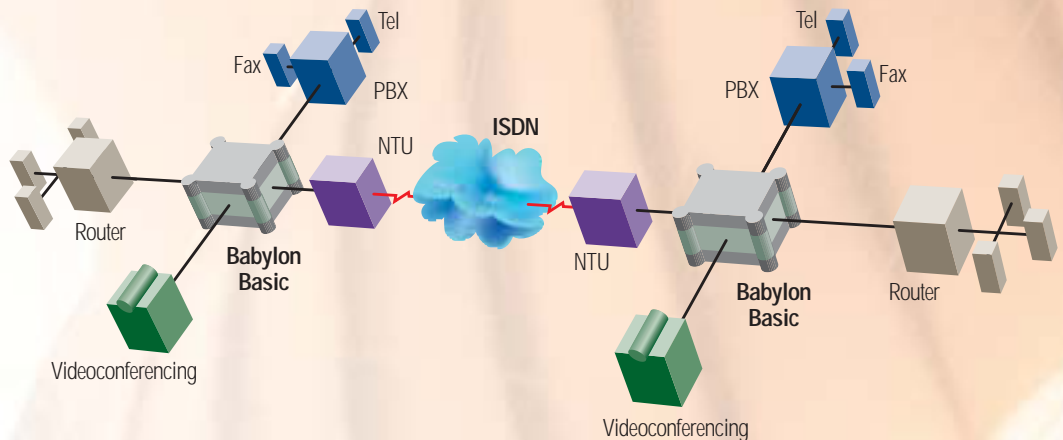
Promptus
INFOCrypt™
Secure access to a digital world.

 **POLYCOM®**

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.



Features

- Compact encryption platform for communication lines of up to 128 Kbit/s (single ISDN Basic Rate Line Interface)
- 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 Biodata SecurityManager

TECHNICAL SPECIFICATION

Encryption

- DES (64-bit), in ECB, CFB, CBC
- Triple DES (192-bit) in ECB, CFB, CBC

Key Exchange

- Diffie-Hellman (1,024-bit), public key exchange
- Master DES Internal (3DES 192-bit proprietary key exchange)

Physical

- Dimensions: 4.09 x 8.31 x 11.54 in (104 x 211 x 293 mm)
- Weight: 4.41 lbs (2 kg)

Power Requirements

- Input: 100 to 240V AC, 400mA, 47 to 63 Hz
- Output: 15VDC 1A

Operating Requirements

- Operating temperature: 32 to 104°F (0 to 40°C)
- Atmospheric Humidity: 0 to 70 %

Interfaces

ISDN Ports

- Input: 1 x RJ- 45 Port (BRI S/T Interface)
- Output: 3 x RJ- 45 Port (BRI S/T Interface)

Management

- Local:
 - RJ-12 port (V.24)
 - local configuration and diagnostics
- Ethernet Port
 - RJ-45 port (10BaseT)
 - secure remote configuration via SecurityManager,
 - secure software upgrade via SecurityManager, and
 - remote monitoring & diagnostics via SNMP and/or Syslog

Approvals & Standards Compliance

Safety

- EN60950; IEC950; UL1950; CSA 22.2 No. 950

EMC

- EN55022:1998 limit class B; FCC Part 15 Class A

Telecom

- CTR3 Ed. December 1994, ETS 300 102; CCIT/ITU-T I.430, I.431, I.441, I.451; FCC Part 68



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