TRC 7419

CHARHADE
High Bit Rate Encryption link (34 Mbits)

- **3 versions** **34.368 Mbit/s**
  8.448 Mbit/s
  2.048 Mbit/s

- **Point-to-point operation**

- **Remote-management interface**

- **High level of security**

- **TEMPEST (AMSG 720B)**

Overview

The CHARHADE provides the protection of confidentiality of information on multi-protocol, very high bit rate networks.

Easily installed, it is inserted intrusively on the communication links between the network switch and the transmission equipment.

Neither change or adaptation of the network facilities are required.

The CHARHADE features an HDB3 interface. Three different versions are available from 2 Mbit/s to 34,8 Mbit/s bit rates.

Operation on the equipment is straightforward. The keys can be loaded via an external key fill device or a smart card. A secured remote-management interface can be used to download the keys.

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SPECIFICATIONS

Security features

- Bit-by-bit ciphering of the data flow without error propagation.
- Emergency erasing push button.
- Intrusion detection.
- Key loading by key fill device (CRY 104H) or smart card.
- Remote-management interface protected.
- Mechanical key providing physical protection of the front-panel controls.
- TEMPEST compliance (AMSG 720B).

Other features

- Built-in test.
- Plain language operating mode.
- Type of operation: initial synchronization with automatic switchover of far-end keys when updating the secret information items.

Technical specifications
- HDB3 network interface (CCITT G.703) for bitrates of 34.368 Mbit/s, 8.448 Mbit/s and 2.048 Mbit/s (bit rate adaptation is set on premises Thomson's)
- 64 kbit/s RS 485 HDLC NRM remote-management interface
- All ports available on front-panel for easier rack mounting
- 48 V power supply
- 75 W rated power
- Temperature range   + 5° C to + 45° C (operating)   - 20° C to + 60° C (storage)
- Dimensions   19" - 2U - 320 mm depth   (ideal for 400 mm racks)
- Suitable for infrastructure hardware requirements

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