CSD 3324E

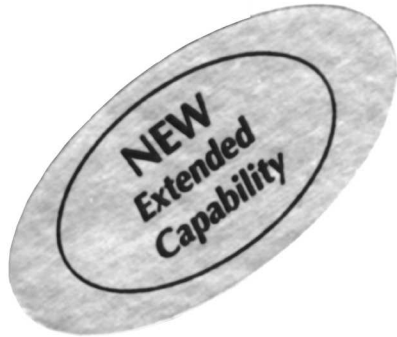**Secure Telecommunications**

Secure Applications

- Secure Digital Voice
- Fax Encryption
- Data Encryption

Features

- Exceptional voice quality with speaker recognition
- Automatically adjusts for poor quality phone lines
- Two-wire fax interface provides universal group 3 fax encryption
- Automatic voice/fax select
- Strategic, long term security
- Automated electronic key management
- Installation and operation training accomplished in minutes

Product Overview

The CSD 3324E is a comprehensive office communications security system that provides voice, fax and data encryption in an executive telephone package. Your most sensitive information is protected by TCC's high grade encryption and automated key management system. Internal storage of 400 keys coupled with automatic key changes provides complete hands-off security.

Superior voice quality is achieved by two integrated vocoders. The CSD 3324E actually reduces noise and hiss in poor quality phone lines. Fax encryption is interfaced at the two-wire phone line to allow group 3 fax encryption regardless of what brand of fax is used. Additionally, an RS-232 port allows a PC or other data device to be connected to the CSD 3324E for secure data transmissions.

Granite Island Group
127 Eastern Avenue, #291
Gloucester, MA 01931
(978) 546-3803
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CSD 3324E

Technical Specifications

Encryption Algorithm
TCC proprietary Teltect™ non-linear key generator

Crypto Key Variables
System Key: 1.16×10^{77}
Network Key: 1.84×10^{19}
Local Key: 1.84×10^{19}
Total Keys: 3.93×10^{115}

Key Storage
400 Local Keys stored in two keybanks containing 200 keys

Key Loading
SmartModule™ keyfill device or keypad entry

Vocoders
9600 bps Multi-Pulse
4800 bps CELP

Data Modems
CCITT V.32: 9600 to 4800 bps
CCITT V.22: 2400 to 600 bps

Fax Modems
CCITT V.29
CCITT V.27/ter

Telephone Interface
2-wire, RJ-11C connector

Fax Interface
2-wire, RJ-11C connector

Data Interface
25-pin EIA-RS-232D

Operating Modes
Autosense voice/fax
Autosense voice/data
Fax only

Size and Weight
12" by 10" by 2"
(30cm x 25cm by 5cm)
9 lbs (4.1 kg)

Environmental
Operating Temperature:
0°C to 50°C
Relative Humidity:
10% to 90%

Power
115 VAC, 60Hz - or -
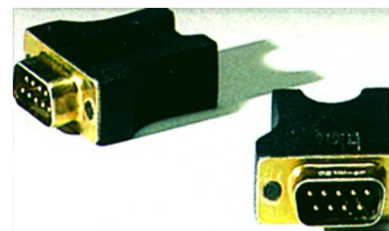230 VAC, 50Hz - or -
10-30 VDC

Power Consumption
Maximum 7 watts

Options and Accessories
SmartModule keyfill device
115/230VAC Switchable Power
Portable Briefcase Model
Briefcase Model with Fax
Briefcase Model with PC

SmartModule and Teltect are trademarks of Technical Communications Corporation.

TCC's SmartModule keyfill device

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