CORNET
SWITCHING SYSTEMS

CT-2200/2250

The rugged CT-2200 is a single channel integrated voice communication phone designed for use in a shipboard ISDN, VoIP network and supports an optional analog interface for direct connect to COMSEC/Radios. The CT-2250 is a dual-channel version. These units permit voice communication in plain or cipher mode. They both offer a keypad for easy dialing in to conferences and selecting trunks and point-to-point intercom calling. Both models are used with shipboard communications such as (SINGARS, DMR, ARC-210, HAVE QUICK, URT-23, RF-5800, HRF3, etc.) The CT-2250 offers three modes of operation: Dual User, Single User A and Single User B. Dual user mode allows two users to use the phone simultaneously with audio routed to internal or external speakers. Or a single user can handle two calls simultaneously. This is useful for relaying orders. In dual user mode the CT-2250 is a multi-line phone, allowing the user to receive a second call while on the phone.

Features

- VoIP Upgradable
- Power over Ethernet enabled
- Remote Sidetone enabled
- Available in Red or Black
- VLAN, FIPS 140-2 secure
- Software selectable CODECs: G.711 u-law, G.711 A-Law, G.726 16K, G.726 24K, G.726 32K, G.726 40K, G.726 AB
- Dual channel secure/plain ISDN voice communications
- Dual or single mode of operation
- Speed dial with up to 20 phone numbers stored
- Storable internal/external speaker and headset adjustments
- LED display with dimmer for menu driven options
- Splash-proof design
- Dual LEMO 8-pin connectors for headset, and handset operation
- DMR communications ready 20 user stored frequency selects
- Internal speaker for call/conference monitoring as well as an external speaker
- Fallback analog I/O for direct connect to COMSEC/Radios
- Intercom
- Built-in confidence test
- Design fits the exact footprint of existing phones enabling quick and easy replacement
- Shock and vibration certified
- Field upgradable and serviceable

Specifications

**Interfaces
CT-2200/2250**

ISDN BRI: Conforms to CCITT 1.430, ETSI, ETS 300012, and ANSI T1.605

VoIP

Interface: 10/100 Ethernet presented on a DB-15M100 FX Multimode, 1300nm SFF-LC

CODECS Supported: G.711 u-law, G.7N A-law, G.726 16K, G.726 24K, G.726 32K, G.726 40K, and G.729A 8K

Protocol: RTP

Call Setup: SIP

Analog: Narrowband 300-3400 Hz, 600 Ohm, Balanced or Unbalanced PTT, Mode Select/Indicate, Cipher Detect

Environmental

Operating Ambient Temp: -10° C to 50° C

Storage Ambient Temp: -40°C to 75° C

Relative Humidity: 5 to 95% (non-condensing)

Operational Shock: MIL-STD-901 (Grade A, lightweight)

Operational Vibration: MIL-STD-167 (5-55Hz)

EMI: MIL-STD-461

Mechanical

Case: 5.5" W x 6" H x 5.5" D

Front panel: 7.5" W x 7.5" H x 1" D

Weight: ~ 8 lbs max.

Power: 13 Watts

Connectors: Rear-mounted DB-15 Electrical

Operational Input Power: 18 to 72 VDC