Tactical Data Links
SUSTAINING AND SECURING LINK-11 NETWORKS

Ultra I&C's Multi Link Encryptor (MLE) family of products provide enhanced situational awareness and critical data exchange capabilities to airborne, land and maritime users.

BID/2200 accredited by NCSC, SECAN and NSA

Features

The MLE family of products provide significant benefits, which include:

- Small lightweight solution
- Future proof (upgradable)
- Low life cycle cost
- Low integration cost
- High reliability
- Single LRU
- Modular architecture
- BID/2200 accredited by NCSC, SECAN and NSA

Overview

Ultra I&C's MLE is a fully qualified and certified single LRU solution providing secure encryption for Link-11 Tactical Data Link operations. For NATO applications, the MLE utilises a non-US Link-11 encryption solution that has been proven fully interoperable with KG-40A and KG-40AR, both within NATO and the UK MoD.

For non-NATO/ National Tactical Data Link encryption requirements, the BID/2200 Crypto module is replaced with the Crypto Processor Card (CPC), which can host government (military grade) or commercial grade algorithms. The MLE provides a flexible functionality that can be tailored to meet customers' requirements by providing both ATDS and NTDS variants with legacy interface trays that facilitate MLE integration into a KG-40 system.

Proven and readily available

- Available off-the-shelf without US export restrictions
- Thousands of successful in-service operational hours
- Front panel crypto key fill and control
- Available with Remote Control Unit

Legacy interoperability

- Interoperable with the KG-40A and KG-40AR if fitted with BID/2200 Crypto Module
- NTDS and ATDS capability
- Legacy NTDS and ATDS Interface trays ensure plug and play replacement for KG-40A and KG-40AR

Ultra I&C can offer leading capabilities for the supply and support of integrated tactical data link systems solutions, providing network enabled and network centric warfare capabilities.

Embedded COMSEC

- BID/2200 Cryptographic module or Crypto Processor Card
- Front panel key fill
- Remote control unit/ Front panel control

Link-11

- Embedded Link-11 application processing, NATO/ National Link-11 Encryption and Link-11 DTS

Remote Control Unit available as an option (NTDS and ATDS)

Performance specifications	
Maximum dimensions	1/2 ATR short (125mm x 193mm x 319mm)
Weight	10kg (including tray)
Storage temperature	-55°C to +80°C
Operating temperature	-40°C to +55°C
EMC/EMP	MIL-STD-461E
Reliability & maintainability	7,000hrs MTBF (ARW environment)
Electrical interfaces	ATDS or NTDS interface to Mission System and Link-11 modem
Power supply	115V @ 50 – 400Hz, 50 Watts (max)
Message catalogue	M, J and FJ series messages, 5511, 5516, 5522 and MIL-STD-6011A & MIL-STD-6016

Mission Computer — ATDS / NTDS — **Processing & Interfacing Card** — **Link-11 National Crypto Module / Crypto Host Card** — **Spare Link-11 DTS / Black Interface Card** — ATDS / NTDS — **Link-11 Modem**

Remote Control Unit (optional)

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