

DEFENCE AND SPACE
Cyber

Tactical Data Links

Sustaining and securing Link-11 networks



AIRBUS

Data exchange for airborne, land & maritime

Our **Multi Link Encryptor** (MLE) family of products provide **enhanced situational awareness** and **critical data exchange** capabilities to airborne, land and maritime users. It 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



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



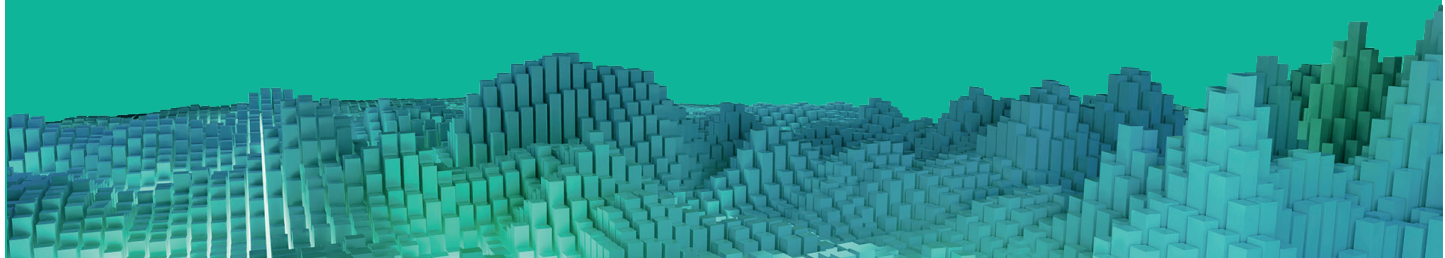
Remote Control Unit available as an option (NTDS and ATDS)

Benefits



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

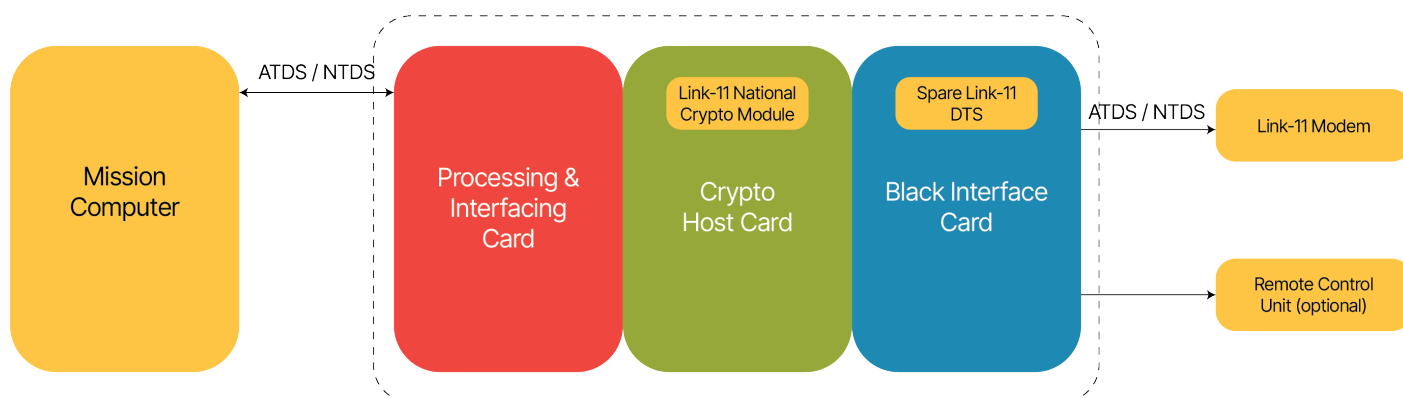
- Small lightweight solution
- Future proof (upgradable)
- Low life cycle cost
- Low integration cost
- **BID/2200 accredited by NCSC, SECAN and NSA**
- High reliability
- Single LRU
- Modular architecture



Military-grade encryption

Multi Link Encryptor (MLE) has thousands of successful operational hours with 7,000-hour MTBF in ARW environments. It supports a wide range of military communication protocols, so you get strong and reliable security without any integration or compatibility issues.

We offer **leading capabilities** for the **supply** and **support** of **integrated tactical data link systems solutions**, providing network enabled and network centric warfare capabilities.



Technical specifications



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





Airbus Defence and Space

France, Germany, United Kingdom, Spain

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www.cyber.airbus.com

contact.cybersecurity@airbus.com



@Airbus Defence and Space Cyber

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