

Delivering Network Enabled Capability

Tactical Data Link Solutions



Link-11

- Processing
- COMSEC
- Modem

Link-16

- Processing

Upgrade to

Link-22

- Processing
- COMSEC
- Modem

Customers



Ultra's Multi Link Processor (MLP) family of products provide enhanced situational awareness and critical data exchange capabilities to airborne, land and maritime users.

A single LRU capable of supporting single or multiple tactical data link operations.

Functionality can be tailored to meet customers requirements.

Multi Link Terminal supporting Link-11 and Link 16 operations with built in upgrade paths for Link-22 and IDM.

Flexible Open System Architecture

- Single or Multi Link processing
- Customer definable capability
- Multiple Interfaces
- Cost effective upgrades

Link Processing Software

- Multi Link Software
- Intelligent tactical processing
- Data Forwarding, Correlation, Fusion
- Host for Third Party software

Embedded COMSEC

- Link-11 – BID/2200
- Link-22 – LLC
- Front Panel Crypto Key Fill & Control

Embedded Modems and Net Control

- Link-11 Data Terminal Set (DTS)
- Link-22 Modem/Net Control (SPC & SNC)
- Improved Data Modem (IDM)
- Tactical Display & Control
- Tactical Display
- Remote Control Unit

Link-11

- Embedded Link-11 application processing, Link-11 crypto and Link-11 DTS

Link-16

- Embedded Link-16 application processing

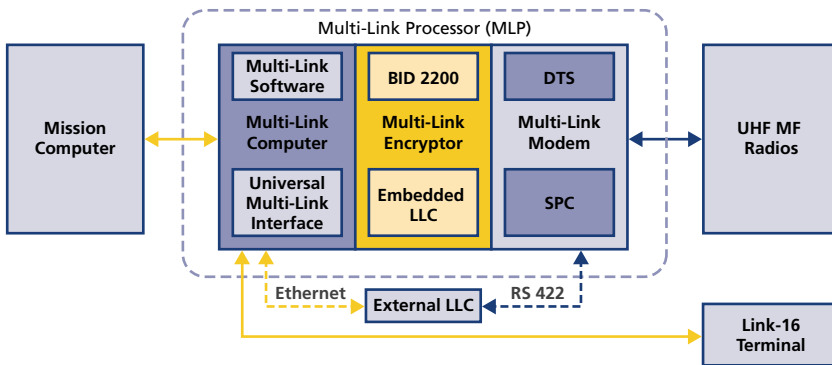
Link-22

- Embedded Link-22 application processing, Link-22 crypto (LLC) and Link-22 SPC



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MLP configuration



Benefits

The MLP family of products provides significant benefits, which include:

- Small light weight solution
- Flexible
- Future proof (upgradeable)
- Qualified
- Low life cycle cost
- Low integration costs
- High reliability
- Single LRU
- Modular architecture

The modular architecture of the MLP means that functionality and capability can be tailored to meet the customers current needs. This can range from Link-11 crypto only, a complete Link-11 system through to a complete Link-11 and Link-16 capable system – whilst having the ability to be upgraded in the future to meet the customers future needs.

Technical Specification

Maximum Dimensions

1/2 ATR short (125mm x 193mm x 319mm)

Weight

12kg (including tray)

Storage Temperature

-55°C to + 90°C

Operating Temperature

-40°C to +55°C

EMC/EMP

MIL-STD-461E

Reliability and Maintainability

7,000hrs MTBF (ARW environment)

Electrical Interfaces

Ethernet or MIL-STD-1553B to mission system

Audio to HF/UHF DAMA/MIDS radio

(MIL-STD-188-203-1A)

Power supply 115V, 50-400Hz @ 50 Watts

Message Catalogue

M, J and FJ series messages interoperable with

STANAGs 5511 & 5516 and MIL-STD-6011A,

MIL-STD-6016 and 5522

Ultra can offer leading capabilities for the supply and support of integrated tactical data link systems solutions providing your network enabled/network centric warfare capabilities.



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