



 **Tactical Communications** > Tactical Data Links

LINPRO

Advanced NATO Tactical Data Link Processor for a variety of platforms

Tactical data link processor for naval, air and land platforms, processing NATO standardized Link-11, Link-22, Link-16, JREAP-C and VMF protocols, and with data forwarding capability among them.

Key Advantages:

With simultaneous Multi-Link processing and data forwarding capability among different data links

Mature product and widely deployed nationally and internationally
(Many combat systems integrated)

With different operating modes adapted to the functional needs of each combat system
(Efficient integrations)

With its own User Interface (HMI) for the management and configuration of the networks.

Management and integration of a wide variety of communications terminals

With a Community of Users who share needs and uses of the LINPRO product, for its evolution.

Main Technical specifications :

- LINPRO system **has several ways of deployment**, with different LINPRO SW versions on a variety of HW COTS or MOTs (standard HW COTS or tailored to customer requirements).
- LINPRO **implements the latest versions** of Link-11 A/B, Link-16, Link-22, JREAPC, VMF and SIMPLE protocols.
- LINPRO can operate **Concurrently** in a number of different data links and can **forward data** among them.
- LINPRO has **two alternative operating modes** called FULL PROCESSING MODE (ON/OFF), in which it assumes or delegates certain defined tactical processes to the combat system, depending on its needs CMS.
- LINPRO **has its own HMI** (Human Machine Interface) for the configuration and monitoring of LINPRO, the management and integration of the terminals, and the initialization and monitoring of tactical networks.
- LINPRO **integrates and manages DTS, MIDS, SNC, SPC, and VMF** modem terminals.
- LINPRO **allows the initialization** of Link-16, Link-22 and JREAP-C networks through its HMI, and its **management**.



NATO
Standard
Protocols



OpenLink Ground/Land, Naval and Airborne SW/HW versions are available.

Specifications:

PARAMETERS	DESCRIPTION
Data Links Protocols and Standards	Link-11 A/B (STANAG 5511), Link-16 (STANAG 5516 /ATDLP-5.16), Link-22 (STANAG 5522 /ATDLP ATDLP-5.22), JREAPC (STANAG 5518) (MIL-STD-3011C), VMF (MIL-STD-6017, MIL-STD-2045-47001, MIL-STD-188-220), SIMPLE (STANAG 5602). Data Forwarding and Concurrency (STANAG 5616 /ATDLP ATDLP-5.16).
Terminal/Network Integration and Management	For Link-11: It integrates DTS from DRS and ELBIT (DTS configuration and control from LINPRO HMI). For Link-16: It integrates MIDS LVT 1 and LVT 2 terminals in versions BU1 and BU2. It supports platforms A, B and Q through 1553B and D, J, R and S through Ethernet interfaces. Also discrete signals are integrated. For Link-22: SNMU, Alternate SNMU, NMU, alternate NMU and Nile Unit roles are supported. LINPRO can participate in up to 4 Networks. Fully compatible with all the different Link-22 Modems (SPC) available in the market. SNC integration with BCR 7 (SNC 10.0), BCR 8 (SNC 10.1) and BCR 9 (SNC 10.2) are already supported. For JREAP-C: Up to 16 Concurrent JREAP-C Links. Data Routing JREAPC-JREAPC. JREAP Links: UDP Unicast, TCP-Server, TCP-Client, MULTICAST. Time Synchronization: Fixed Delay, Round Trip and UTC. Network Initialization (with JNL, NETMAN and IDL), configuration and management of the MIDS terminal from LINPRO HMI. Network management is supported from LINPRO HMI with the objective to optimize the performance of the networks.



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