

Non NATO
Protocols



 **Tactical communications** > Tactical Data Links

Openlink Processor for National Tactical Data Link Networks

Openlink is a TECNOBIT's Tactical Data Link Processor using a proprietary protocol, ITAR free and specifically designed for supporting National Data Links

Key Advantages:

Openlink protocol is designed based on TecnoBit expertise and knowledge in TDLs

Openlink Data Model and Functional areas are equivalent to conventional NATO tactical data links

Modular Integration with existing Combat Management Systems (CMS) and use of national crypto (Modular and Adaptable)

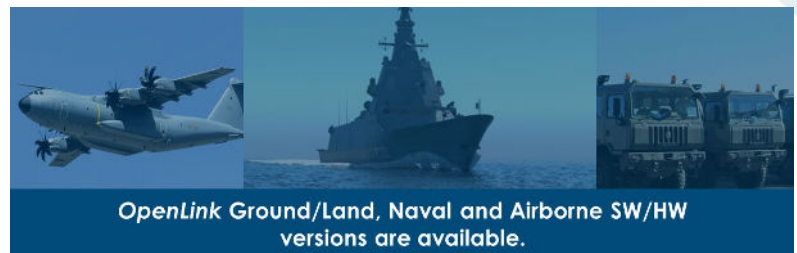
OpenLink does not contain NATO Data Link Protocols and/or related GFEs.
(Unrestricted Exportability)

OpenLink could be easily extended to support dataforwarding with TDL NATO protocols, if required.
(Scalability)

Ready to use in standalone mode in platforms in which an upgrade of the CMS is not possible.
(Coexistence with Legacy Systems)

Main Technical specifications :

- OpenLink Ground/Land, Naval and Airborne SW/HW versions are available.
- Hardware equipment based on customer's requirements and COTS.
- OpenLink combines TECNOBIT's Tactical Data Link protocol and Rockwell Collins' SubNet Relay (SNR) (other SNR equivalent systems implementations are available).
- OpenLink is compatible with standard IP cryptos and conventional HF/UHF radios.
- National crypto devices and other related GFE could be integrated within this solution.
- Dataforwarding with NATO TDL protocols such as Link-22 and Link-16 could be available.
- OpenLink processor can be deployed with other TDL elements, such as TECNOBIT's tactical console, VITAL. A full TDL node could be deployed using VITAL + OpenLink processor + Network Manager/Modems + Radios
- Coexistence with Legacy Systems: Ready to use in standalone mode in platforms in which an upgrade of the CMS is not feasible. Different integration modes available.



Specifications:

PARAMETERS	DESCRIPTION
Main Tactical Data Link Capabilities (Functional Areas)	<ul style="list-style-type: none"> • Participant Localization and Identification (PLI). • Surveillance information exchange. • Anti-Submarine Warfare (ASW). • Electronic Warfare (EW). • Tracks/Points Amplification Data. • Data Filtering. • Tracks Management and Weapons Coordination. • Control operations (commands, engagements coordination and status, etc.). • Receipt/Compliance Procedures: Force orders management. • System and Platform Status. • Addressing. • Threats alerts. • Manual / automatic contacts correlation
VITAL Console	<ul style="list-style-type: none"> • VITAL console manages the situational awareness picture, deployed over a GIS engine based on Luciad Lightspeed. • VITAL can integrate platform sensors.



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