

E-LynX™ VIC-500IP

Advanced decentralised vehicular intercommunication system for the networked battlefield





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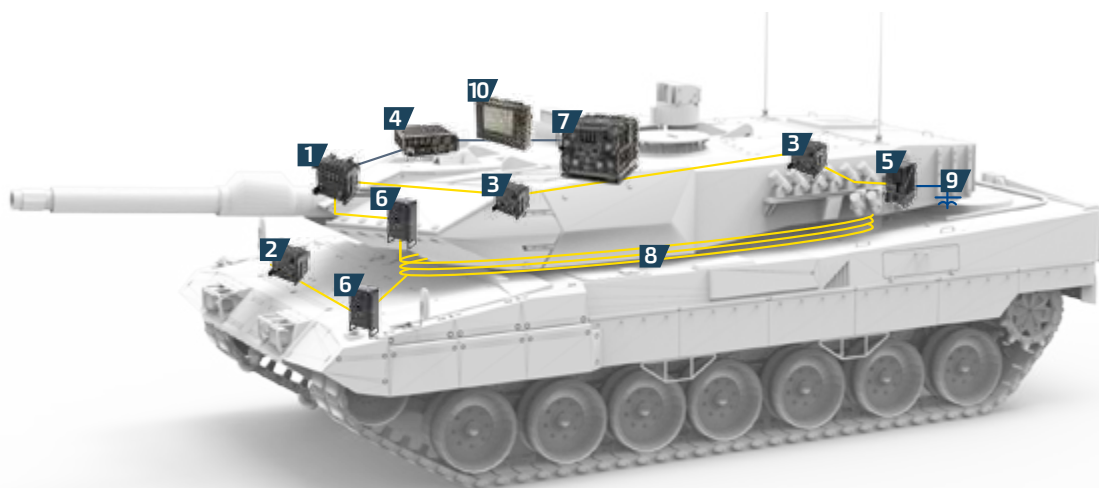
Advanced decentralised vehicular intercommunication system for the networked battlefield

E-LynX VIC-500IP is a 3rd generation vehicular intercommunication system, based on Elbit Systems' proven Software Defined Radio (SDR) platform. The decentralised, IP-based architecture enables seamless connectivity with legacy and IP-based radios, as well as with routing and voice services. Lightweight, compact and easy-to-use, the E-LynX VIC-500IP features innovative dismantled mission capabilities, easy installation (in compliance with NGVA protocols) and configuration for a wide range of operational scenarios. As a modular expansion of the E-LynX family of products, the VIC-500IP is a true force multiplier, providing a decisive advantage on the modern battlefield.

- **Advanced and modular IP intercom**
- **Decentralised system architecture**
- **Compact design for combat platforms**
- **Support for IP Routing and VoIP services**
- **Seamless integration with IP and legacy radios**
- **Digital audio processing including VAD and ANR**
- **Voice groups – for use with SDR-Radios**
- **10 easily customisable operation modes**
- **Simple and intuitive multilingual user interface**

Battle Land Platform

- 1** Commander Unit (UU-500IP)
- 2** Driver Unit (UU-501IP)
- 3** Crew Member Unit (UU-501IP)
- 4** SmarTMR Router / Server (Optional)
- 5** Power Backup Unit (ES-500)
- 6** Modem / Slip-Rings Converter
- 7** IP-Based Radio E-LynX
- 8** Slip-Rings
- 9** Connection to Vehicle Power
- 10** Tactical Computer (Optional)





Crew Station Components



Advanced User Unit (UU-500IP)

Tailored for commanders and signalers.



Crew Member and Dual Crew Member Units (UU-501IP, UU-501IP-D)

Designed for drivers, gunners and crew members.



Power Unit (ES-500)

Protection against power surges and backup in case of power failures.



Modem Extension Unit (MEU-500IP)

Extends the intercom connection up to 4km to a dismountable remote case and inter-vehicle convertibility via slip-ring.



Remote Case+

Enables full control of all communication capabilities and devices connected to the VIC-500IP system.



Expansion Unit

Designed to expand the interfacing capabilities of the system to additional radios and accessories.

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Technical Specifications

General	
UU-500IP Operation	2.8" graphical colour display with multi-function keypad and switches
UU-501IP/UU-501IP-D Operation	Simple blind-operation program selector and volume control
Environmental and EMC	
MIL-STD-810F, MIL-STD-461F	
Power	
Power Source	Nominal 24V
Standard	MIL-STD-1275E
Additional Interface Protocols	
USB, RS-232, fixed audio, Ethernet, alerts	
User Units Physical	
Dimensions (HxWxD)	92 x 120 x 120mm
Weight	1.25kg
ES-500 Physical	
Dimensions (HxWxD)	180 x 90 x 111mm
Weight (Optional Batteries)	1.782kg, 1.976kg
MEU-500IP Physical	
Dimensions (HxWxD)	190 x 106 x 77mm
Weight	1.1kg
Remote Case Plus Physical	
Dimensions (HxWxD)	310 x 390 x 175mm
Weight	8.45kg

Elbit Systems E-LynX - Networking the Battlefield

The E-LynX family of products is the latest generation of tactical communication solutions from Elbit Systems C4I and Cyber, supporting the operational requirements of the modern battlefield. Based on powerful, advanced Software Defined Radio (SDR) technology, the latest generation of multi-band, multi-waveform tactical IP radios deliver enhanced capabilities that enable simultaneous data and multiple voice sessions in both wideband and narrowband waveforms on a single RF infrastructure, with no need for additional configuration. The secure and reliable battlefield network solutions enable end-users at all echelons to seamlessly interconnect with all network resources using IP-based routing for reliable voice and data sessions at extended range. A unified software infrastructure provides easy and powerful system management - from planning to provisioning. The future-proof E-LynX solutions offer interoperability, seamless communications and situational awareness across a variety of platforms, improving operational efficiency and connectivity to support various platforms and a wide range of mobile tactical needs.