

# E-LynX™ VIC-500IP

Advanced decentralized vehicular intercommunication system for the networked battlefield





# E-LynX VIC-500IP

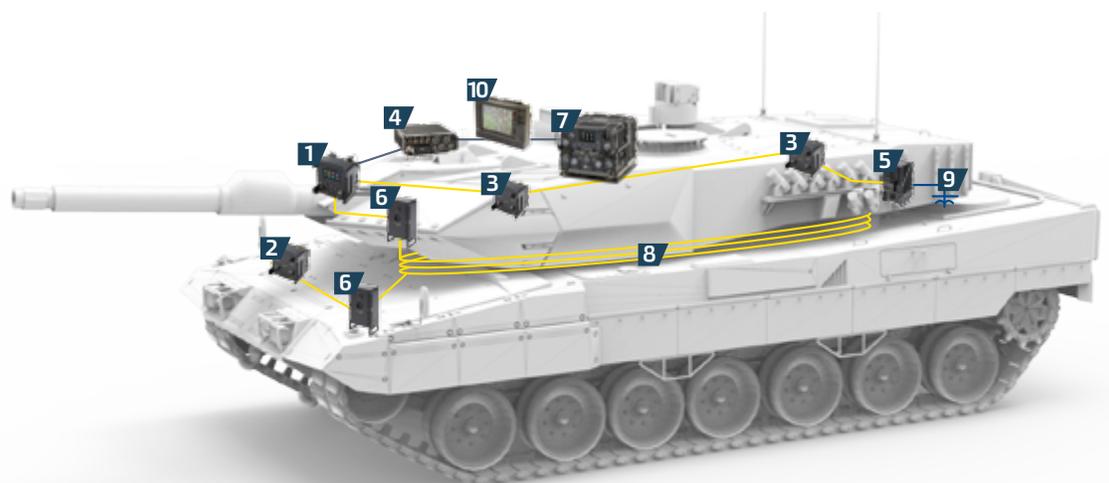
Advanced decentralized vehicular intercommunication system for the networked battlefield

E-LynX VIC-500IP is a 3<sup>rd</sup> generation vehicular intercommunication system, based on Elbit Systems' proven Software Defined Radio (SDR) platform. The decentralized, 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**
- **Decentralized 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 customizable 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 color 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 C<sup>4</sup>I 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.



### Elbit Systems C<sup>4</sup>I and Cyber

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