

E-LynX™ VIC-500IP

Advanced decentralized vehicular intercommunication system for the networked battlefield



Elbit Systems™

C⁴I and Cyber



E-LynX VIC-500IP

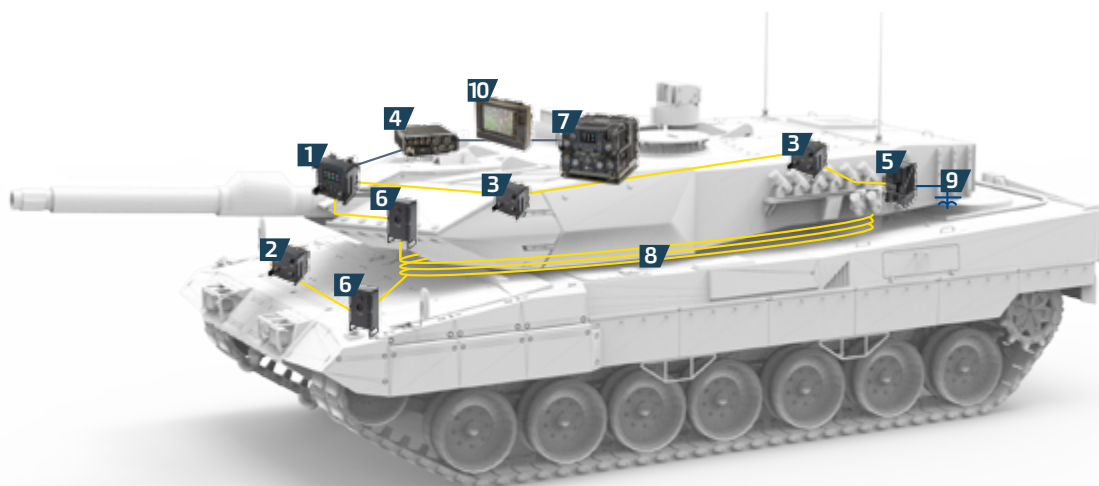
Advanced decentralized vehicular intercommunication system for the networked battlefield

E-LynX VIC-500IP is a 3rd generation vehicular intercommunication system, based on Elbit Systems' proven Software Defined Radio (SDR) platform. The 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 dismounted 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 SmartTMR 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.

E-LynX VIC-500IP

Advanced decentralized vehicular intercommunication system for the networked battlefield

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 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.



Elbit Systems C⁴I and Cyber

2 Hamachshev St., Netanya 4250712, Israel

E-mail: C4icyber.info@elbitsystems.com www.elbitsystems.com

Follow us on   