

E-LynX™ UxS

Unified connectivity for manned-unmanned teaming (MUM-T)



In today's multi-domain battlefield, seamless integration of soldiers, drones and unmanned systems is essential for mission effectiveness.

E-LynX UxS connects soldiers, unmanned aerial systems (UAS) and unmanned ground vehicles (UGVs) through a unified tactical network, enabling extended communication range, regular information flow and coordinated operations across manned and unmanned platforms.





E-LynX™ UxS

System Overview

Built on Elbit Systems' battle-proven Software Defined Radio (SDR) technology, E-LynX UxS integrates with the E-LynX SR soldier radio to create a secure, resilient tactical communications ecosystem. This advanced MUM-T network enables soldiers to command and control unmanned platforms through a single tactical radio.

Unified connectivity: The network links ground forces, aerial assets and robotic platforms within a flexible Mobile Ad Hoc Network (MANET), reducing soldier load while enhancing situational awareness, operational efficiency and combat readiness.

E-LynX SR: A multi-channel, multi-band tactical radio providing ground connectivity and serving as a communication hub for voice, data, video and control traffic between manned and unmanned platforms.

E-LynX UxS: A communications module installed on unmanned platforms that functions as an aerial relay node for transmitting data, video and control between those platforms and ground forces. The unit enables direct soldier control of unmanned systems while extending network connectivity.

Key Features

- Multi-band, multi-channel SDR architecture
- MANET networking for voice, data, video and control
- Extended range and coverage
- Interoperability within the E-LynX family
- Secure, highly reliable communications

Key Benefits

- Enhanced situational awareness
- Improved coordination and decision-making
- Reduced soldier burden
- Reliable mission connectivity
- Extended operational reach



Elbit Systems C4I and Cyber

2 Hamachshev St., Netanya 4250712, Israel

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

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