E-LynX™ SDR Platform Family

Multi-domain networking solutions

Elbit Systems™
C4I and Cyber

E-LynX™

Networking the Battlefield

E-LynX™ SDR Platform Family

Multi-domain networking solutions

The E-LynX SDR platform family of multi-domain networking solutions is designed to meet the complex communication and connectivity demands of the modern battlefield across all echelons and operational scenarios. The powerful SDR platforms deliver superior performance and advanced capabilities, enabling seamless, immune and secure communication, enhanced situational awareness, and full coverage of NATO mobile frequency bands in diverse configurations.

System Highlights

Multi-role, multi-waveform: Combat-proven platforms providing a dynamic, secure network adaptable to a variety of terrains and missions.

Robust communication: Unprecedented immunity, information security, and GNSS-independent self-synchronization.

Integrated services: Simultaneous multiple voice group sessions, IP data streams and multiple live video streams, including continuous Blue Force Tracking capabilities in a single network.

Seamless connectivity and ease of use: Scalable capabilities in a flexible network structure, with interfaces for voice and data, ensuring smooth integration with customer devices. Intuitive to operate and rapidly deployed with optimal size, weight, and power consumption (SWaP).

Multiple configurations: Mounted/dismounted forces, land combat vehicles, maritime and airborne platforms, satellite communications, and tactical intercom systems.

Innovative user interface: Modern information-rich design.

Key Benefits

- Immune and secure communication
- Minimal SWaP and ease of operation
- Seamless connectivity and superior performance
- Versatile operation in multiple scenarios

Key Features

- Multi-band, multi-channel
- Robust routing technologies
- Extensive software tools
- Supports standard and sovereign waveforms

E-LynX™ PNR-1000

Combat soldier networking SDR

Technical Specifications

General	
Frequency range	225-512 MHz
Radio presets	225 (15 banks of 15 channels each)
GNSS	Internal receiver
Interfaces	Ethernet, USB, analog audio, wireless PTT
Operation	Keypad and audio feedback
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading)
Mounted options	20W vehicular adapter
Soldier Radio MANET Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop (up to 3 hops), self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data and BFT/PLI
Network members	Up to 45 members
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Voice groups	Up to 14 simultaneous voice group sessions / Full duplex conversations Double PTT enables dynamic network hierarchy
Blue force tracking (BFT)	Automatic BFT dissemination
Transmitter and Receiver Performance	
Output power	Low 0.5W, Med 1W, High 2W
Channel bandwidth	100KHz, 200kHz
Frequency stability	±0.3ppm
Sensitivity	-107dBm @ 10dB SINAD
Spurious suppression	75dB above MDS
Harmonic suppression	HD2/3 > -20dBm, HD4 > -80dBc
Output protection	Open and short-circuit

Secure Communication	
Security	• COMSEC utilizing AES-256 • Emergency erase • Secured management via SNMPv3
Power	
Power input	9-16 VDC
Power sources	Multiple rechargeable Li-ion battery options
Physical	
Dimensions (HxWxD)	137x73x26mm (without battery)
Weight	360g (without battery)
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ SR

Tactical multi-band, multi-channel soldier SDR for dismounted forces

Technical Specifications

General	
Frequency range	225MHz - 3GHz According to antenna selection
Radio presets	100 configurable presets
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Interfaces	Ethernet, USB, analog audio, BT/BLE, external communication bearers (Cellular, Satcom, etc.)
Operation	Keypad and voice feedback
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Mounted options	2W/20W vehicular adapters
Immune and Secure Communication	
ECCM	Robust frequency hopping combined with FEC and interleaver for improved jamming resistance, sense and avoid
Security	• COMSEC and TRANSEC utilizing AES-256 • Emergency erase • Secured management via SNMPv3
Power	
Power input	9-16 VDC
Power sources	Multiple rechargeable Li-ion battery options
Physical	
Dimensions (HxWxD)	123x73x45mm (without battery)
Weight	420g (without battery)
Soldier Radio Waveform	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop, self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data, IP video and BFT/PLI Multiple voice groups in a single net
Network members	Up to 254 members
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Voice groups	• Up to 32 simultaneous voice group sessions / Up to 4 voice groups per radio • Dual PTT enables dynamic network hierarchy

Transmitter and Receiver Performance	
Output power	2W for UHF band 2 x 1W for L-S bands
Channel bandwidth	Up to 4MHz in UHF Up to 20 MHz in L and S bands with MIMO Up to 40 MHz for sensing
Frequency stability	+/-0.3ppm
Sensitivity	-106dBm @ 1MHz BW
Spurious suppression	75dB above MDS
Harmonic suppression	HD2/3 > -20dBm, HD4 > -80dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ HH

Tactical multi-band, multi-waveform handheld SDR for dismounted forces

Technical Specifications

General	
Frequency range	30-512MHz
Software environment	SCA 2.2.2
Radio presets	100 configurable presets
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Interfaces	Ethernet, USB, RS-232, analog audio, external communication bearers (Cellular, Satcom, etc.)
Operation	• HMI with icon-based operation via 2.8" graphic color display and keypad • Fast access to both radio configuration and network status, including visual network-topology • Supported also via network management and remote operation
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Mounted options	5W/50W vehicular adapters
Immune and Secure Communication	
ECCM	Robust frequency hopping combined with FEC and interleaver for improved jamming resistance
Security	• COMSEC and TRANSEC utilizing AES- 128/256 • Red/Black design • Anti-tamper and emergency erase • Secured management via SNMPv3
Power	
Power input	14.4VDC nominal, supporting 10.5-16.8V
Power sources	Multiple rechargeable Li-ion battery options
Physical	
Dimensions (HxWxD)	169x95x58mm (without battery)
Weight	925g (without battery)

Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop (up to 4 narrowband & 8 wideband), self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data, IP video and BFT/PLI Multiple voice groups in a single net
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Elbit Systems waveform	• Narrowband MANET • Wideband high-capacity MANET • Wideband airborne MANET • Soldier radio MANET • Combat net radio
Standard waveforms	STANAG 4204, STANAG 4205
Sovereign waveform option	Supports sovereign waveform porting
Transmitter and Receiver Performance	
Output power	Low 0.25W, Med 1W, High 5W
Channel bandwidth	25kHz, 50kHz, 1MHz
Frequency stability	±0.3ppm
Sensitivity	-116dBm @ 12dB SINAD
Spurious suppression	75dB above MDS
Harmonic suppression	HD2/3 > -50dBc, HD4 > -70dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ MP/MP-D

Tactical multi-band, multi-waveform manpack SDR for dismounted forces

Technical Specifications

General	
Frequency range	30-512MHz
Software environment	SCA 2.2.2
Radio presets	100 configurable presets
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Interfaces	Ethernet, USB, RS-232, analog audio, external communication bearers (Cellular, Satcom, etc.)
Operation	• HMI with icon-based operation via 2.8" graphic color display and keypad • Fast access to both radio configuration and network status, including visual network-topology • Supported also via network management and remote operation
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Mounted options	50W vehicular adapter
Immune and Secure Communication	
ECCM	Robust frequency hopping combined with FEC and interleaver for improved jamming resistance
Security	• COMSEC and TRANSEC utilizing AES- 128/256 • Red/Black design • Anti-tamper and emergency erase • Secured management via SNMPv3
Power	
Power input	14.4VDC nominal, supporting 10.5-16.8V
Power sources	Multiple rechargeable Li-ion battery options
Physical	
E-LynX MP Dimensions	(HxWxD) 85x224x156mm (without battery)
E-LynX MP Weight	2.95kg (without battery)
E-LynX MP-D Dimensions	(HxWxD) 85x224x297mm (without battery)
E-LynX MP-D Weight	5.15kg (without battery)

Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop (up to 4 narrowband & 8 wideband), self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data, IP video and BFT/PLI Multiple voice groups in a single net
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Elbit Systems waveform	• Narrowband MANET • Wideband high-capacity MANET • Wideband airborne MANET • Soldier radio MANET • Combat net radio
Standard waveforms	STANAG 4204, STANAG 4205
Sovereign waveform option	Supports sovereign waveform porting
Transmitter and Receiver Performance	
Output power	Low 0.25W, Med 5W, High 10W
Channel bandwidth	25kHz, 50kHz, 0.5MHz, 1MHz, 2MHz, 4MHz
Frequency stability	±0.3ppm
Sensitivity	-116dBm @ 12dB SINAD
Spurious suppression	75dB above MDS
Harmonic suppression	HD2/3 > -50dBc, HD4 > -70dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ VS-50H

Tactical multi-band, multi-waveform SDR for mobile forces

Technical Specifications

General	
Frequency range	30-512MHz, 960MHz-1.8GHz (L-band optional)
Software environment	SCA 2.2.2
Radio presets	100 configurable presets
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Interfaces	Ethernet, USB, RS-232, analog audio, external communication bearers (Cellular, Satcom, etc.)
Operation	• "Jerk and run" capability • HMI with icon-based operation via 2.8" graphic color display and keypad • Fast access to both radio configuration and network status, including visual network-topology • Supported also via network management and remote operation
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Immune and Secure Communication	
ECCM	Robust frequency hopping combined with FEC and interleaver for improved jamming resistance
Security	• COMSEC and TRANSEC utilizing AES-128/256 • Red/Black design • Anti-tamper and emergency erase • Secured management via SNMPv3
Power	
Power input	Supporting 20-33V
Standard	MIL-STD-1275E
Physical	
Dimensions (HxWxD)	169x230x252mm
Weight	10.18kg

Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop (up to 4 narrowband & 8 wideband), self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data, IP video and BFT/PLI Multiple voice groups in a single net
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Elbit Systems waveform	• Narrowband MANET • Wideband high-capacity MANET • Wideband airborne MANET • Soldier radio MANET • Combat net radio
Standard waveforms	STANAG 4204, STANAG 4205
Sovereign waveform option	Supports sovereign waveform porting
Transmitter and Receiver Performance	
Output power	V/U: Low 0.25W, Med 5W, High 50W L: Low 0.25W, Med 5W, High 10W
Channel bandwidth	25KHz, 50KHz, 0.5MHz, 1MHz, 2MHz, 4MHz
Frequency stability	±0.04ppm
Sensitivity	-116dBm @ 12dB SINAD
Spurious suppression	80dB above MDS
Harmonic suppression	HD2/3 > -20dBm, HD4 > -80dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ VD-15M

Tactical multi-band, multi-waveform SDR for mobile forces

Technical Specifications

General	
Frequency range	30-512MHz
Software environment	SCA 2.2.2
Radio presets	100 configurable presets
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Interfaces	Ethernet, USB, RS-232, analog audio, external communication bearers (Cellular, Satcom, etc.)
Operation	• "Jerk and run" capability • HMI with icon-based operation via 2.8" graphic color display and keypad • Fast access to both radio configuration and network status, including visual network-topology • Supported also via network management and remote operation
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Immune and Secure Communication	
ECCM	Robust frequency hopping combined with FEC and interleaver for improved jamming resistance
Security	• COMSEC and TRANSEC utilizing AES-128/256 • Red/Black design • Anti-tamper and emergency erase • Secured management via SNMPv3
Power	
Power input	Supporting 20-33V
Standard	MIL-STD-1275E
Physical	
Dimensions (HxWxD)	160x230x252mm
Weight	11.75kg

Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop (up to 4 narrowband & 8 wideband), self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data, IP video and BFT/PLI Multiple voice groups in a single net
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Elbit Systems waveform	• Narrowband MANET • Wideband high-capacity MANET • Wideband airborne MANET • Soldier radio MANET • Combat net radio
Standard waveforms	STANAG 4204, STANAG 4205
Sovereign waveform option	Supports sovereign waveform porting
Transmitter and Receiver Performance	
Output power	1st transceiver: Low 0.25W, Med 5W, High 50W 2nd transceiver: Low 0.25W, Med 5W, High 10W
Channel bandwidth	25kHz, 50kHz, 1MHz, 2MHz, 4MHz
Frequency stability	±0.04ppm
Sensitivity	-116dBm @ 12dB SINAD
Spurious suppression	1st transceiver: 80dB above MDS 2nd transceiver: 75dB above MDS
Harmonic suppression	1st transceiver: HD2/3 > -20dBm, HD4 > -80dBc 2nd transceiver: HD2/3 > -50dBc, HD4 > -70dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ VS-50M

Tactical multi-band, multi-waveform SDR for mobile forces

Technical Specifications

General	
Frequency range	30-512MHz, 960MHz-1.8GHz (L-band optional)
Software environment	SCA 2.2.2
Radio presets	100 configurable presets
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Interfaces	Ethernet, USB, RS-232, analog audio, external communication bearers (Cellular, Satcom, etc.)
Operation	• HMI with icon-based operation via 2.8" graphic color display and keypad • Fast access to both radio configuration and network status, including visual network-topology • Supported also via network management and remote operation
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Immune & Secure Communication	
ECCM	Robust frequency hopping combined with FEC and interleaver for improved jamming resistance
Security	• COMSEC and TRANSEC utilizing AES-128/256 • Red/Black design • Anti-tamper and emergency erase • Secured management via SNMPv3
Power	
Power input	Supporting 20-33V
Standard	MIL-STD-1275E
Physical	
Dimensions (HxWxD)	160x230x252mm
Weight	10.85kg

Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop (up to 4 narrowband & 8 wideband), self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data, IP video and BFT/PLI Multiple voice groups in a single net
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Elbit Systems waveform	• Narrowband MANET • Wideband high capacity MANET • Wideband airborne MANET • Soldier radio MANET • Combat net radio
Standard waveforms	STANAG 4204, STANAG 4205
Sovereign waveform option	Supports sovereign waveform porting
Transmitter and Receiver Performance	
Output power	V/U: Low 0.25W, Med 5W, High 50W L: Low 0.25W, Med 5W, High 10W
Channel bandwidth	25kHz, 50kHz, 0.5MHz, 1MHz, 2MHz, 4MHz
Frequency stability	±0.04ppm
Sensitivity	-116dBm @ 12dB SINAD
Spurious suppression	80dB above MDS
Harmonic suppression	HD2/3 > -20dBm, HD4 > -80dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ VD-55M

Tactical multi-band, multi-waveform SDR for mobile forces

Technical Specifications

General	
Frequency range	30-512MHz, 960MHz-1.8GHz (L-band optional)
Software environment	SCA 2.2.2
Radio presets	100 configurable presets
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Interfaces	Ethernet, USB, RS-232, analog audio, external communication bearers (Cellular, Satcom, etc.)
Operation	• HMI with icon-based operation via 2.8" graphic color display and keypad • Fast access to both radio configuration and network status, including visual network-topology • Supported also via network management and remote operation
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Immune and Secure Communication	
ECCM	Robust frequency hopping combined with FEC and interleaver for improved jamming resistance
Security	• COMSEC and TRANSEC utilizing AES-128/256 • Red/Black design • Anti-tamper and emergency erase • Secured management via SNMPv3
Power	
Power input	Supporting 20-33V
Standard	MIL-STD-1275E
Physical	
Dimensions (HxWxD)	160x342x252mm
Weight	16.3kg

Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop (up to 4 narrowband & 8 wideband), self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data, IP video and BFT/PLI Multiple voice groups in a single net
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Elbit Systems waveform	• Narrowband MANET • Wideband high-capacity MANET • Wideband airborne MANET • Soldier radio MANET • Combat net radio
Standard waveforms	STANAG 4204, STANAG 4205
Sovereign waveform option	Supports sovereign waveform porting
Transmitter and Receiver Performance	
Output power	For both transceivers: V/U: Low 0.25W, Med 5W, High 50W L: Low 0.25W, Med 5W, High 10W
Channel bandwidth	25kHz, 50kHz, 0.5MHz, 1MHz, 2MHz, 4MHz
Frequency stability	±0.04ppm
Sensitivity	-116dBm @ 12dB SINAD
Spurious suppression	80dB above MDS
Harmonic suppression	HD2/3 > -20dBm, HD4 > -80dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ AR

Multi-band, multi-waveform SDR for airborne platforms

Technical Specifications

General	
Frequency range	VHF/UHF: 30-512MHz L-Band: 960-1240MHz
Software environment	SCA 2.2.2
RF channels	3 independent RX/TX channels simultaneously (V/U, L, Guard channel)
TX and RX antenna diversity	Two antennas for V/UHF Two antennas for L-band
Interfaces	• MIL-STD-1553B / ARINC 429 • Ethernet • RS-232, RS-422, USB • Analog video • Analog audio
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Immune and Secure Communication	
ECCM	Robust frequency hopping
Security	• COMSEC and TRANSEC utilizing AES- 128/256 • Red/Black design • Anti-tamper and emergency erase • Secured management via SNMPv3
Power	
Power input	MIL-STD-704D
Physical	
Size	1/2 ATR short (ARINC 600 4 MCU)
Weight	11kg

Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies, multi-hop, self-forming, self-healing
Services	• Simultaneous voice (analog and external VoIP), IP data, video (analog and external IP) and BFT/PLI • Multiple voice groups in a single net • Built-in video codec
Network members	Up to 64 members in airborne MANET
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Elbit Systems waveform	• Narrowband MANET • Wideband high-capacity MANET • Wideband airborne MANET • Soldier radio MANET • Combat net radio
Standard waveforms	STANAG 4204, STANAG 4205
Sovereign waveform option	Supports sovereign waveform porting
Transmitter and Receiver Performance	
Output power	V/U: Low 0.25W, Med 5W, High 50W L: Low 0.25W, Med 5W, High 50W Guard: 5W
Channel bandwidth	12.5kHz, 25kHz, 50kHz, 1MHz, 4MHz (8.3 kHz optional)
Frequency stability	80ppb
Sensitivity	-116dBm @ 12dB SINAD
Spurious suppression	80dB above MDS in-band
Harmonic suppression	HD2/3 > -67dBc, HD4 > -80dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461G

E-LynX™ D-55 Naval

Multi-band, multi-waveform SDR for naval communication

Technical Specifications

General	
Frequency range	30-512MHz, 960MHz-1.8GHz (L-band optional)
Software environment	SCA 2.2.2
GNSS	Internal receiver for location report and 1PPS, supporting multiple constellations
Interfaces	Ethernet, USB, RS-232, analog audio, external communication bearers (Cellular, Satcom, etc.)
Operation	• HMI with icon-based operation via touchpad graphic color display and keypad • Fast access to both radio configuration and network status, including visual network-topology • Supported also via network management and remote operation
Extensive software tools	Configuration, planning and management, network control, security (including keys generation and loading), network simulation
Immune and Secure Communication	
ECCM	Robust frequency hopping combined with FEC and interleaver for improved jamming resistance
Security	• COMSEC and TRANSEC utilizing AES-128/256 • Red/Black design • Anti-tamper and emergency erase • Secured management via SNMPv3
Power	
Power input	Supporting 20-33V
Standard	MIL-STD-1275E
Physical	
Dimensions (HxWxD)	4U, 19"
Weight	16.8kg

Waveforms	
Networking	Multi-hop Mobile Ad-Hoc IP Network (MANET) featuring robust routing technologies: concurrent flooding and store & forward, multi-hop (up to 4 narrowband & 8 wideband), self-forming, self-healing
Services	Simultaneous voice (analog and external VoIP), IP data, IP video and BFT/PLI Multiple voice groups in a single net
Network synchronization	Autonomous, no master station, no single point of failure, no reliance on GNSS receiver or any external signal
Elbit Systems waveform	• Narrowband MANET • Wideband high-capacity MANET • Wideband airborne MANET • Soldier radio MANET • Combat net radio
Standard waveforms	STANAG 4204, STANAG 4205
Sovereign waveform option	Supports sovereign waveform porting
Transmitter and Receiver Performance	
Output power	For both transceivers: V/U: Low 0.25W, Med 5W, High 50W L: Low 0.25W, Med 5W, High 10W
Channel bandwidth	25kHz, 50kHz, 0.5MHz, 1MHz, 2MHz, 4MHz
Frequency stability	±0.04ppm
Sensitivity	-116dBm @ 12dB SINAD
Spurious suppression	80dB above MDS
Harmonic suppression	HD2/3 > -20dBm, HD4 > -80dBc
Output protection	Open and short-circuit
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461F

E-LynX™ VIC

Tactical vehicular intercom system

Technical Specifications

General	
Advanced user unit (UU-500) operation	HMI with icon-based operation via 2.8" graphic color display, keypad and knobs
Crew member unit (UU-501/UU-501-D) operation	Program selector and volume control
Services	Simultaneous voice (analog and external VoIP), IP data Multiple voice groups in a single net Multiple VLAN support
Interfaces	Ethernet, RS-232, analog audio, alerts
Power	
Power Unit (PU), Power input	Supporting 20-33V
Backup battery	Rechargeable Li-ion battery options
Standard	MIL-STD-1275E
Physical	
UU-500/ UU-501/ UU-501-D dimensions (HxWxD)	120x120x94mm
UU-500/ UU-501/ UU-501-D weight	1.3kg
PU dimensions (HxWxD)	179x95x112mm
PU weight (without battery)	1.35kg
MEU dimensions (HxWxD)	190x106x67mm
MEU weight	1.15kg
Qualifications	
Environmental	MIL-STD-810G
EMC	MIL-STD-461G

Crew Station Components

Advanced User Unit (UU-500)
Tailored for commanders and signalers, allowing full control over the system and E-LynX radio configuation.

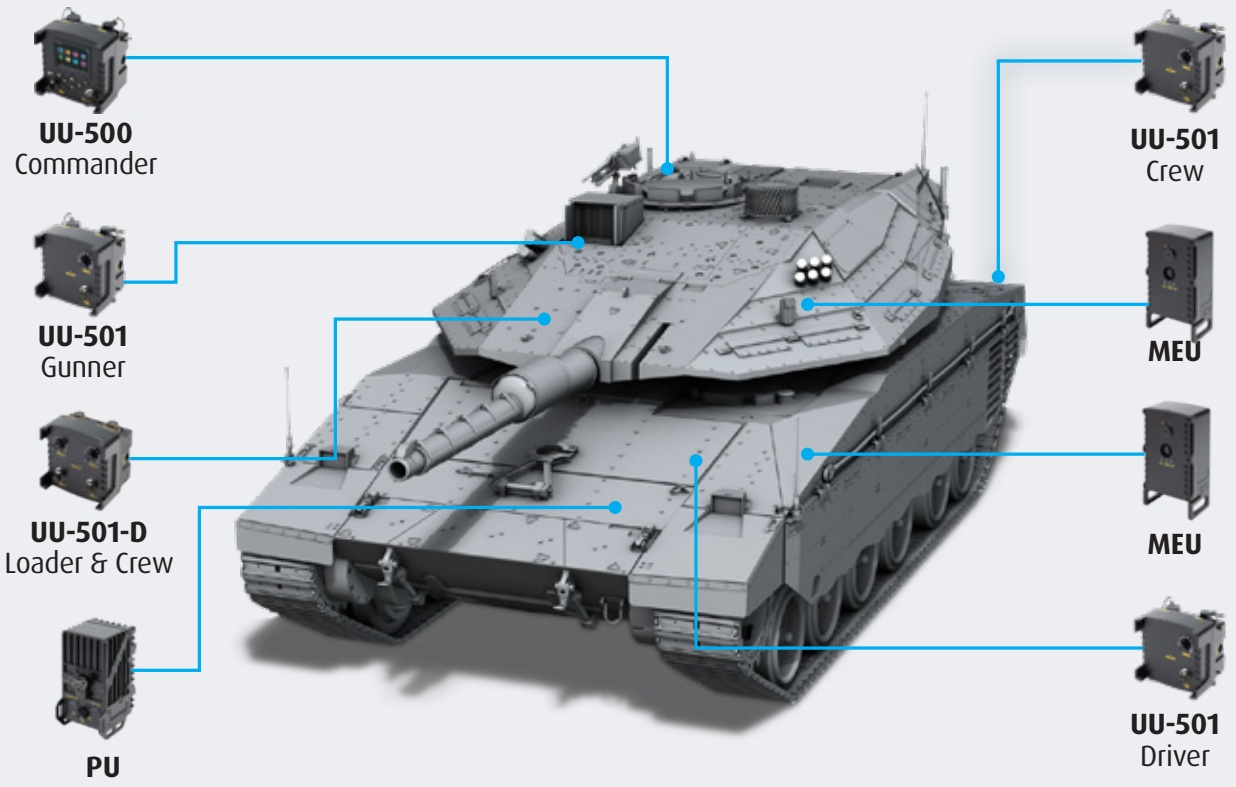
Crew Member Unit (UU-501/UU-501-D)
Serves crew members allowing ultra-simple blind-operation user experience.

Power Unit (PU)
Power supply including protection against power surges and backup in case of power failures.

Modem Extension Unit (MEU)
Extends intercom connection up to 1km to a dismounted remote case and inter-vehicle convertibility via slip ring.

Remote Case
Enables full control of all communication capabilities and devices connected to the E-LynX VIC system.

Typical E-LynX™ VIC Setup



E-LynX™ SDR Platform Family

Multi-domain networking solutions

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