

LINc™ CROSS DOMAIN SOLUTION FOR AUDIO

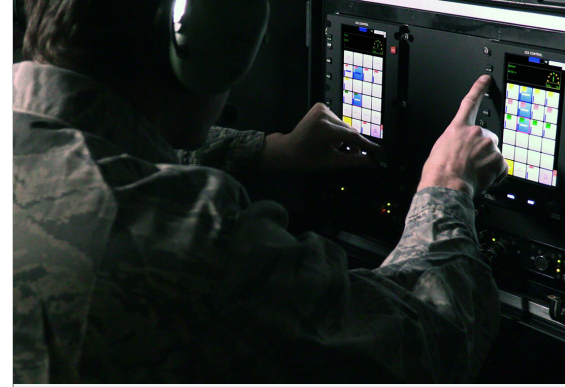
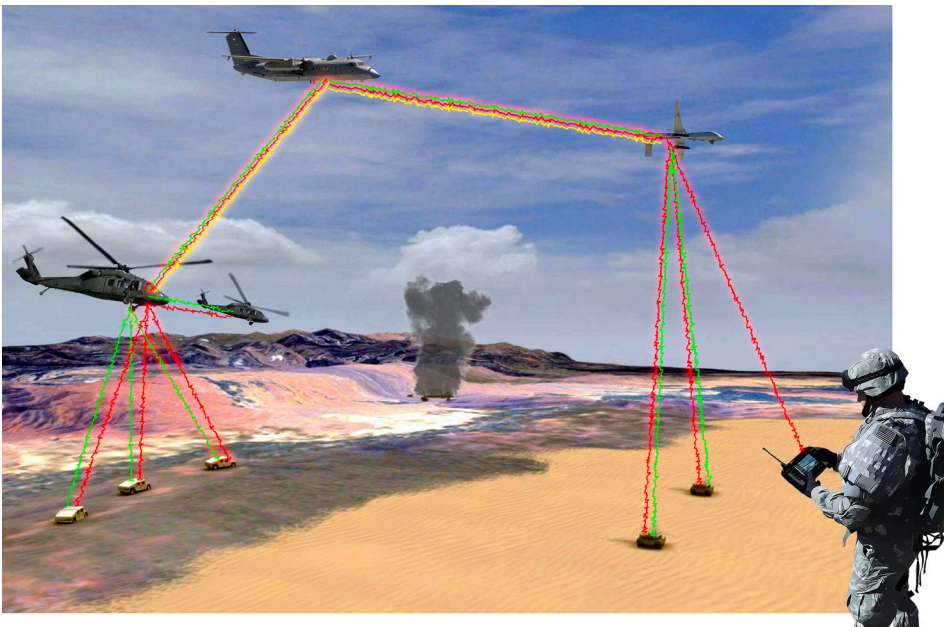
LINc provides local and virtual operators with a multi-level digital communication hub.

L3Harris Integrated Next-Gen Comms (LINc™) is a digital inter-communication system (ICS) that provides operators with seamless and simultaneous access to multiple levels of classified and unclassified audio. A warfighter connected to a LINc system experiences transparent usage of conferences and assets with straightforward situational awareness while the system architecture ensures robust security.

The system operates with standard headsets and customized control panels. The flexible design allows for a variety of interface options on an operator's workstation, including touch screens, auxiliary or standard control panels with tactile buttons, switches-and-knobs control panels or a software application.

LINc is modular, flexible and configurable, adapting to a variety of platforms. The distributed design scales from small ground stations to large aircraft or operations centers, and provides flexibility for multiple operators, radios, mission audio channels and internal conferences. LINc supports industry-standard VoIP and network communications, analog sources (radios, cryptos, navigation aids, warnings, workstations, etc.) and common operator headsets. Hardware includes safety-of-flight features for flight deck use. LINc can also augment an existing ICS, extending multi-level security capability to all operators. With the LINc ATAK plug-in, tactical operators using a handheld radio can access ICS features as a virtual operator. These high-end intercom features and capabilities demanded by today's operators are provided in a high-assurance, secure product.

This is what hyper-enabled looks like:



MISSION BENEFITS

- > Flexible Ethernet, RoIP and VoIP
- > Automated connections between independent systems
- > Loaner/donor access to remote platform's communications
- > ATAK plug-in for tactical users
- > Handheld radio integration

OPERATOR EXPERIENCE

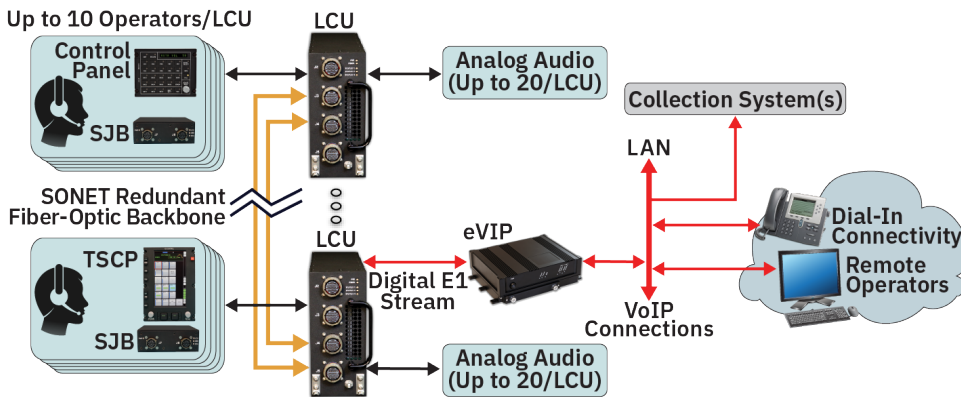
- > Simultaneous monitoring of all classification levels
- > 7-position spatial audio
- > Per-channel azimuth and volume
- > Instant replay
- > Per-radio and per-conference activity indications
- > Dual push-to-talk beltstation for ICS or radio
- > Configurable VOX threshold and sidetone volume
- > Supports standard headsets

BASE PART NUMBER	LINc SYSTEM COMPONENT	WEIGHT (LB)	POWER (W)
LCS1000	LINc Communication Unit (LCU) with tray	14	45
LCS5010	VoIP Interfacer Processor (VIP)	14	220 (@120VAC)
LCS5030	Embedded VIP (EVIP)	8.0	25
LCS6000	Standard Control Panel (SCP)	1.3	16
LCS6200	Touch Screen Control Panel (TSCP)	3.5	22
LCS6300	Auxiliary Control Panel (ACP)	0.9	7
LCS7100	Maintenance Panel (MP)	1.1	-
LCS7600	Secure Jack Box (SJB)	1.8	7

LINC SYSTEM SPECIFICATION

Operating Temperature: -40 °C to +55 °C
 Operating Altitude: Up to 15,000 feet
 Power: MIL-STD-704(28 VDC), RTCA/DO-160G
 EMI: MIL-STD-461G, RTCA/DO-160G
 Environment: MIL-STD-810G, RTCA/DO-160G
 TEMPEST: NSTISSAM TEMPEST/1-92, CNSSAM TEMPEST/1-13

LINC SYSTEM CONFIGURATION



SYSTEM FEATURES

- > Point-to-point calling and ad hoc conferencing
- > NVIS control panels available
- > Configurable dynamic permissions
- > Full safety-of-flight features
- > Redundant operator connections
- > System-level Built-In-Test (BIT)
- > Custom wav audio cues and alerts
- > Simulcast and radio relay
- > Low-weight fiber backbone
- > Active Noise Reduction capable
- > Tactile, touchscreen and workstation control options
- > Mission audio recording, playback

PLATFORM DESIGN AND INTEGRATION

- > Cyber-certified for ICD 503 and RMF per NIST SP800-37
- > Integrates with external comms management systems
- > Dzus and ATR form factors
- > MLS augmentation to existing ICS
- > Customizable control panels
- > Over 2,000 local audio channels
- > DO-178B / 254 certifiable

