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 use of conferences and assets with straightforward situational awareness while the system architecture ensures robust security. Operators interface with the system using standard headsets and customizable control panels. The flexible control interface allows for a variety of control options, including Touch Screen, Auxiliary or Standard Control Panels with tactile buttons, switches and knobs control panels or a software application on an operator workstation.

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 to add or remove operators, radios, mission audio channels and internal conferences. LINc supports industry-standard VoIP and network communications, any analog sources (like radios, cryptos, navigation aids, warnings and workstations) and common operator headsets. Hardware includes safety-of-flight features for flight deck use. A LINc system can also augment an existing ICS, providing multi-level security (MLS) performance to all operators. These high-end intercom features and capabilities that platforms and operators demand are provided in a high-assurance, secure product.

Pick your platform, pick your mission: if you have MLS voice requirements, LINc has you covered.

PRODUCT CAPABILITIES

- Cyber-certified for ICD 503 and RMF per NIST SP800-37
- Simultaneous monitoring of all classification levels
- Configurable and dynamic permissions
- Ongoing security maintenance across product baseline
- Integrates with external comms management systems
- Military and DoD pedigree spanning multiple decades
- Platform configurable

PLATFORM BENEFITS

- Crewed and unmanned aircraft, ground stations and enterprise environments
- Automated multi-platform connectivity
- Integrated mission recording and playback
- Full safety-of-flight features
- Redundant operator connections
- System-level Built-In-Test (BIT)
- Customized audio and voice cues for warnings and alerts
- Simulcast and radio relay
- High-bandwidth and low-weight fiber backbone
- Over 2,000 independent local audio channels
- DO-178B / 254 certifiable

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**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 SPECIFICATIONS**

Operating Temperature: -20 °C to +55 °C  
Operating Altitude: Up to 15,000 feet  
Power: MIL-STD-704 (28 VDC), RTCA/DO-160G  
Environment: MIL-STD-810G, RTCA/DO-160G  
TEMPEST: NSTISSAM TEMPEST/1-92, CNSSAM TEMPEST/1-13

**LINC SYSTEM CONFIGURATION**

- Up to 10 Operators/LCU
- Control Panel
- SJB
- SONET Redundant Fiber-Optic Backbone
- TSCP
- SJB
- Analog Audio (Up to 20/LCU)
- Collection System(s)
- LAN
- Dial-In Connectivity
- Remote Operators
- VoIP Connections
- Digital E1 Stream
- eVIP
- Analog Audio (Up to 20/LCU)

**OPERATOR FEATURES**
- Binaural (spatial) audio
- Per-channel azimuth and volume
- Configurable settings, including VOX threshold and sidetone
- Point-to-point calling and ad hoc conferencing
- Instant replay
- Per-radio and per-conference activity indications
- Customizable control panels
- NVIS control panels available
- Dual push-to-talk beltstation for ICS or radio

**INTERFACES**
- Flexible Ethernet, RoIP and VoIP
- Radio, crypto, workstation audio
- Configurable discrete behavior
- Supports use of standard operator headsets
- Active Noise Reduction capable
- MLS augmentation to existing ICS

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Next-Gen_Comms (LINc™)_ICS_Sellsheet-RevA_03.2020
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