L3HARRIS ISSI GATEWAY

Inter-RF Subsystem Interface

The ISSI Gateway Inter-RF Subsystem Interface is a software solution that provides secure, interoperable communications between P25 radio systems regardless of manufacturer. It allows users to sustain communications when roaming from one system to another—without any manual intervention—while maintaining a connection to their home system.

ISSI Gateway provides extended coverage with neighboring systems. If a First Responder travels outside of their network range, communications will switch over to the nearest P25 system, keeping them connected to their home network. The system also supports location tracking of radio users across geographic boundaries.

During multi-agency responses, talk groups can be assigned working IDs so subsequent calls can be made without a dispatcher, and critical resources are not interrupted with unnecessary traffic. ISSI Gateway also supports essential day-to-day operations including: group call with unit ID, emergency and individual calls, and communication among subscribers and console operators.

ISSI Gateway reduces cost and complexity when added to the L3Harris VIDA® virtual system or any other ISSI-compatible system through a simple Ethernet connection. Agencies can continue to use their existing infrastructure and only upgrade portions of their radio system as needed, and as budget allows. Backward compatibility, along with the ability to use non-proprietary off-the-shelf hardware, reduces cost of ownership and enhances interoperability.

KEY BENEFITS

> Keep users connected when roaming between P25 systems
> Extended coverage with neighboring systems
> Integrates with L3Harris VIDA or off-the-shelf hardware
> Backward compatible to leverage existing infrastructure
**SPECIFICATIONS FOR: L3HARRIS ISSI GATEWAY**

**HARDWARE (STAND-ALONE ISSI GATEWAY)**

<table>
<thead>
<tr>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Linux® Red Hat® Operating System</td>
</tr>
<tr>
<td>1 Rack Unit 19-inch chassis</td>
</tr>
<tr>
<td>Dual E5-2640 processors</td>
</tr>
<tr>
<td>Two 146-GB hard drives</td>
</tr>
<tr>
<td>16 GB RAM</td>
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<tr>
<td>Gigabit Ethernet cards</td>
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<td>Redundant power supplies</td>
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**APPLICATION**

Runs on a VIDA Application Server virtual machine for VIDA Premier and VIDA Unite configurations

**DESIGN**

- Unconfirmed group calls
- Caller IDs across the ISSI Gateway
- Unit roaming (automatic or manual)
- Group affiliation
- Emergency calls
- Group and unit registration
- Supports up to 200 concurrent group calls
- Call arbitration
- Fault reporting to the Regional Network Manager
- Dynamic database information from the Unified Administration Server
- Provides call activity to the activity warehouse
- Static Configuration via VIDA Device Manager
- Support for OpenSky® systems using VIDA Transcoder
- Confirmed calls
- Support for pre-empt scenarios
- Support for the CSSI
- Support for P25 Phase 2
- Support for P25 site adjacency exchange

Technical specifications are subject to change without notice.
Product sales are subject to applicable U.S. export control laws.

L3Harris ISSI Gateway
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