



HARRIS 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.

KEY BENEFITS

Keep users connected when roaming between P25 systems

Extended coverage with neighboring systems

Integrates with Harris VIDA or off-the-shelf hardware

Backward compatible to leverage existing infrastructure

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 Harris 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.

SPECIFICATIONS FOR: HARRIS ISSI GATEWAY

HARDWARE (Stand-alone ISSI Gateway)

Linux® Red Hat® Operating System

1 Rack Unit 19-inch chassis

Dual E5-2640 processors

Two 146-GB hard drives

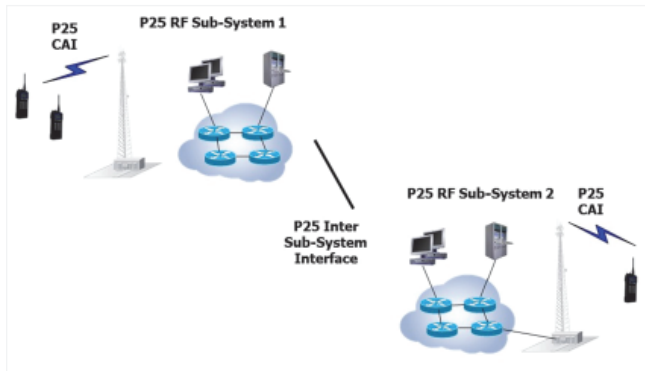
16 GB RAM

Gigabit Ethernet cards

Redundant power supplies

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.

About Harris Corporation

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