



VIDA[®] TELEPHONE INTERCONNECT TELEPHONE INTERFACE SOLUTION

RADIO/TELEPHONE INTEROPERABILITY

The Voice, Interoperability, Data, and Access (VIDA) Telephone Interconnect (VTI) is an IP-based product that allows radio users to place and receive telephone calls across a VIDA network. Deployed inside a Network Switching Center, VTI supports telephone interconnect calls to and from OpenSky[®] and P25^{IP} radio users.

FEATURES

Allows OpenSky and P25^{IP} radio users to make and receive Public Switched Telephone Network (PSTN) calls.

Provides the convenience of a telephone system while retaining critical communication radio features.

Permits access to VTI call activity reporting through the Activity Warehouse application or the Regional Network Manager, allowing the network administrator to monitor call traffic in both real time and historical fashion. Error reporting is also provided to assist in troubleshooting.

VTI VERSATILITY

VTI uses standard off-the-shelf host server and router equipment to provide analog and digital interfaces to the PSTN. By employing different cards in the router, VTI supports various PSTN standards, including analog Ground/Loop Start, T1/E1, and Integrated Services Digital Network (ISDN). The entire VTI system is so compact it can be rack-mounted in a 3-rack-unit space.

VTI FEATURES

VTI supports up to 30 concurrent telephone interconnect calls, depending on the type and quantity of the PSTN interface cards configured in the VTI router. Not only does VTI support inbound and outbound calling for

individual Harris radios, it also permits a telephone-originated group call to connect the caller to many units simultaneously.

VTI provides ringing tones, busy tones, and call progress prompts to make its use as familiar as a public telephone. Automatic line clearing provides for faster call teardown to free up valuable radio network resources. VTI also supports toll call restrictions and PSTN call privileges for inbound calls through configuration settings.

GENERAL SPECIFICATIONS

Host Hardware and Software:

VTI software runs on a Virtual Machine on the VIDA Core server. Specifications for the VIDA Premier Core server are shown below.

- Two 2.40-GHz CPUs
- Eight 16-GB RDIMMs
- Two Intel® I350 Quad Port 1 GB Adapters
- Ball Bearing Rail Kit
- Two 770W, AC, PID 1U Power Supplies
- Security Bezel
- Windows® Datacenter 2012 Operating System
- VMWare® vSphere® Virtual Machine

Mechanical:

Height:	1.7 in. (4.3 cm)
Width:	18.98 in. (48.2 cm)
Depth:	30.98 in. (78.7 cm)
Weight:	30.0 lb (13.6 kg)

Power Requirements:

Input Voltage:	100-240 VAC (90 to 264 VAC, min/max)
Input Current:	9.5A at 110 VAC, 4.5A at 220 VAC (15A max inrush)

Safety:

UL 60950-1 Second Edition
 CAN/CSA-C22.2 No. 60950-1 Second Edition
 EN 60950-1 Second Edition
 IEC 60950-1 Second Edition
 AS/NZS 60950-1
 GB4943 2001

GENERAL SPECIFICATIONS (CONT'D)

EMC – Emissions

47 CFR Part 15 (CFR 47) Class A
 AS/NZS CISPR22 Class A
 CISPR22 Class A
 EN55022 Class A
 ICES003 Class A
 VCCI Class A
 EN61000-3-2
 EN61000-3-3
 KN22 Class A
 CNS13438 Class A

EMC – Immunity

EN55024
 CISPR24
 EN300386
 KN24

Environmental:

Operating Temperature:	+41 to +95°F (+5 to +35°C)
Storage Temperature:	-40 to +149°F (-40 to +65°C)

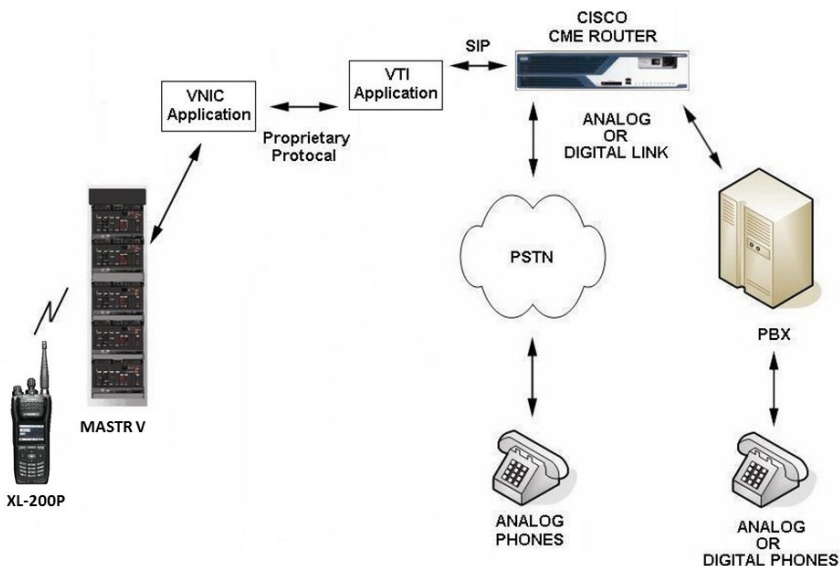
Operational Features:

Inbound and Outbound Selective Calls
 Inbound Group Calls
 Up to 30 Simultaneous Interconnect Calls
 Automatic Line Clearing
 Analog Loop Start Telephone Line Interface
 PSTN Call Privileges
 Call Activity Reports
 Toll Call Restrictions
 Call Progress Prompts
 International Ring Tones

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

About Harris Corporation

Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company's advanced technology provides information and insight to customers operating in demanding environments from ocean to orbit and everywhere in between. Harris has approximately \$8 billion in annual revenue and supports customers in 125 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.



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