TRICS-8R
RoIP Solution

- **Voice/Data/Radio Control**
- **8 Radio Connections in 1 RU**
- **Single Box Solution**
- **Embedded WAVE™ with Integrated Management Server**

The Tactical RoIP Inter-Communications System (TRICS) is a radio gateway network appliance that enables IP access to radios.

TRICS is a DISA IA compliant solution which has full Authority to Operate (ATO) accreditation on DoD systems. TRICS is a full featured RoIP gateway, media server, and media management platform. TRICS enables the integration and dissemination of radio traffic (voice and data) on IP networks, including standards based interoperability with Voice over IP (VoIP). The core communications capability incorporates WAVE™ software from Motorola Solutions.

TRICS provides RADIO CONTROL which allows authorized operators to program radio parameters from IP connected workstations using Web Based TRICS software.

Whether RoIP is a new or existing service, TRICS VOICE, DATA and RADIO CONTROL empowers operators to program missions, participate on radios from anywhere on the IP network.

U.S. Patent 8,255,017   CLT-5400-000-04-01

TRICS 8-R

TRICS 8-R with Optional Fiber Interface

8 Radios: Voice, Data and Control
(Data avasilable on 2 Radios)

IP Network

Cisco UCM Interoperability

WAVE™ Communicator
WAVE™ Dispatch
TRICS Programming and
Mission Planning

Features	
Administration	Secure, HTTPS, Web Based interface
WAVE Integration	Optional WAVE™ Management server enables a complete WAVE™ RoIP solution with Data and Control in a Single Box Solution Optional Gateway setup enables TRICS appliances to be deployed in an existing WAVE™ environment Automatic Channel configuration support between the WAVE™ Management server and TRICS gateway
Recording	Local voice recording and storage up to 24 hours per channel
Local Patching	Hardware radio to radio patch enables repeater and bridging functions without software induced microphone activation delays
Security	Removable Solid State Drive facilitates archiving, re-use and redeployment on multiple missions

General Specifications	
Network Interface 10/100	4 Ports POE (RJ45)
Network Uplink 10/100/1000	1 Port RJ45 (MMF or SMF Option)
Power Requirements	100 – 250VAC 47-63Hz
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	0 – 95% RH
Dimensions	17"W x 15"D x 1.75"H
Weight	9.8 Lbs
Embedded Processor	2.80GHz Intel i3 Dual core processor
Memory	4 GB DDR2
Storage	32 GB, Removable Solid-state Drive
AC Power Input	45 Watts
Heat Dissipation	154 Btu/Hr
Input Current	.4 Amps

VOICE Specifications	
Radio Voice Interface	2 Wire, Optically Isolated PTT
VoIP Protocols	SIP, H.323
WAVE ™ Engine Version	5.x
WAVE ™ Management Server Version	5.x

DATA Specifications	
High Speed Data Support	Harris HPW®, MIL 188.181B
Serial Interface	RS-232

RADIO CONTROL Specifications	
Radio Serial Interface	RS-232
Programming and Mission Planning	AN/PRC 117F, AN/PRC-117G, AN/PRC-150, AN/PRC-152, AN/PRC-148, PSC5-D, URC-200