BYLIGHT
LIGHTING THE PATH - TO INNOVATION

TRICS-4M
UNIFIED COMMUNICATIONS SOLUTION

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

TRICS is a Defense Information Systems Agency (DISA) Security Technical Implementation Guide (STIG) Information Assurance compliant solution. TRICS is a full featured RoIP gateway, media server, and media management platform that enables the integration and dissemination of radio traffic (voice/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** allowing authorized operators to program radio parameters from IP-connected workstations using web-based TRICS software.

TRICS **Voice, Data, and Radio Control** empowers operators to program missions and participate on radios from anywhere on the IP network.

U.S. Patent 8,255,017B2

TRICS-4M
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FRONT

TRICS-4M APPLICATIONS

Voice Data Configuration

IP Network

IP Phone

Conference Phone

Laptop

BACK

- **RoIP**
- **VoIP**
- **Datal**
- **Radio Control**
- **Single Box**
- **Scalable**
- **4 Radios**

TRICS RoIP Appliance 4 Radio Interfaces Compact Chassis

GENERAL SPECS

- Dimensions: 4.25"w X 6.5"d X 1.75"H
- Weight: 2 lbs.
- Network Interface 10/100/1000: RJ45 TX
- Power Requirements: 12 VDC (Optional AC Adapter)
- Operating Temperature: 0˚C to 50˚C (32˚F to 122˚F)
- Operating Humidity: -95% RH
- Radio Voice Interface: 2 Wire, Optical Isolated PTT

- High-Speed Data Support: High Speed Serial to support waveforms such as Harris HPW® and MIL 188-181B capable radios
- Network Management: SNMP v3
- Console: RJ-45
- Serial Interface: RS-232, 2400 - 115200Bps
- Radio Control: PRC-117G, PSC-5D, PRC-160PRC-150, PRC-152, PRC-148 (Additional radio models as required)
- VoIP Protocols: SIP
- Memory: 8GB DDR3
- Storage: 128GB, MSATA SSD