Mission critical communication that's fast, effective and reliable. An advanced IP-based integrated voice and data communications system, the Vehicular Integrated Communications System (VICS2-US) is designed to facilitate workgroup communications in both tracked and wheeled combat vehicles. VICS2-US is designed to operate in harsh tactical environments and provides ideal infrastructure when you need reliable voice and data communications. It provides a high bandwidth capacity and unparalleled versatility. VICS2-US also serves as the backbone for integration to a suite of platform C4ISR sub-systems for the modern battlefield.

VICS2 has been certified VICTORY-Compliant and is approved for VICTORY vehicle integration. Additionally, VICS2 is capable of translating legacy, non-VICTORY devices’ message traffic into VICTORY formatted messaging. This feature is a valuable capability for programs and vehicles that cannot completely divest from legacy devices that are not VICTORY compliant.

**VICS2-US Features and Functions:**
- Dual 1 GB IP based distributive Ring Infrastructure
- Supports Voice and Data Communications
- Enhanced Voice Services
- Radio Control and Radio Cross Banding
- Alert Systems
- System Redundancy/Survivability
- Communication Processor Server
# KEY FEATURES

**DUAL RING INFRASTRUCTURE:**
- High survivability
- Scalable/Expandable

**IP-BASED VOICE AND DATA COMMUNICATIONS:**
- Access intercom, radio and data services

**DISTRIBUTED POWER SUPPLY:**
- No single point of failure

**ENHANCED VOICE SERVICES:**
- Eyes-free operation
- Binaural operation
- Operator intercom (PTT, VOX, LIVE)
- Override

**alert systems:**
- External alarm interface
- Internal alarm (VICS2-US system alarm)
- Override (Voice)

**system redundancy:**
- Centralized configuration by master unit
- Dual master for redundancy
- Primary master
- Secondary master (optional)

**RICH RADIO FUNCTIONALITY:**
- Radio Cross Banding
- Radio conference - up to 4 radio nets
- Radio access and monitoring
- Radio control

**communication processor server:**
- Radio net management
- System management

**switching (10-port and 20-port):**
- Broadcast and Multicast Storm Control
- Port-based Access Control Support (IEEE 802.1x)
- Standard/Extended ACL (Access Control List)

**physical**

**weight:**
SCU, DCU, GSU2 - 3.9 lbs / 1.3kg

**dimensions:**
5.1” x 5.3” x 2.6” (L x W x D)
130mm x 135mm x 67mm (L x W x D)

**input voltage range:**
18VDC to 36VDC (24Vdc, Typical Level) MIL-STD 1275D

**connectors:**
MIL-DTL-38999 Series III

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# interfaces

**ethernet:**
SCU, DCU - 4 x Gigabit Ethernet channels (2 x voice, 2 x data)

**radio:**
SCU, DCU - 2 x Radio Channels

**audio:**
SCU - 1 x Binaural Headset
DCU - 2 x Binaural Headset

**external alarm:**
SCU - 3 x External Analog Alarm Inputs

**speaker output:**
SCU - 1 x Speaker Output

**environmentals**

**temperature, operating:**
MIL-STD-810G, Method 501.4/502.4; Operating Cold start @ -40˚C to +55˚C (-40˚F to -131˚F)

**temperature, storage:**
MIL-STD-810G, Method 501.4/502.4; Operating Cold start @ -55˚C to +71˚C (-67˚F to -159.8˚F)

**immersion:**
IP68b (dust and water to 3ft / 914.4mm)

**humidity:**
MIL-STD-810G, Method 507.5

**fungus:**
MIL-STD-810F

**solar:**
MIL-STD-810F Method 505.5

**shock:**
MIL-STD-810E Method 526.4

**vibration:**
MIL-STD-810E Method 514.4 (M113 Track)

**salt fog:**
MIL-STD-810E Method 509.5

**emi/emc:**
MIL-STD-461E

**power conditioner:**
MIL-STD-1275D