

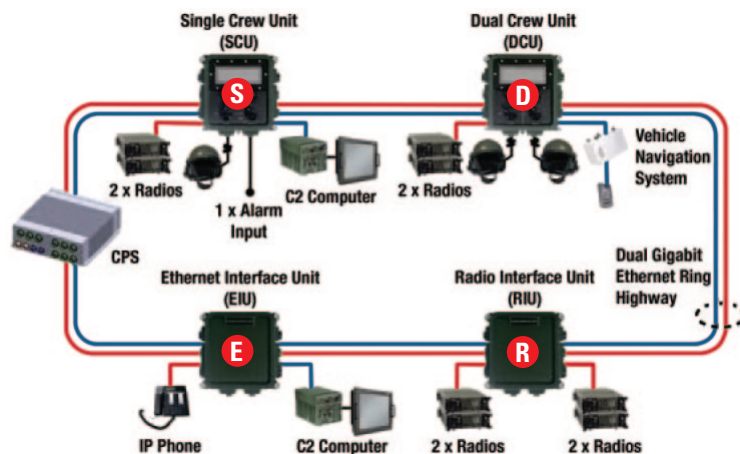
VICS ST6800 VEHICULAR INTEGRATED COMMUNICATION SYSTEM

Reliable in the Extreme



Single Crew Unit (SCU)

Model - ST6834-02
Provides voice and data services for 1 crew access. Operates independently for centralized configuration.



Dual Crew Unit (DCU)

Model - ST6834-03
Provides voice and data services for 2 crew accesses.

MYMILTOPE

Workgroup communication that's fast, effective and reliable. An advanced IP-based integrated voice and data communications system, the Vehicular Integrated Communications System (VICS) ST.6800 is designed to facilitate workgroup communications in both tracked and wheeled combat vehicles. VICS is designed to operate in harsh tactical environments and provides the ideal infrastructure when you need reliable voice and data communications. It provides a high bandwidth capacity and unparalleled versatility. VICS also serves as the backbone for integration to a suite of platform C4ISR sub-systems for the modern battlefield

VICS ST6800 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



Radio Interface Unit (RIU)

Model - ST6834-32
Provides 4 radio interfaces, control terminals and data connectivity.



Ethernet Interface Unit (EIU)

Model - ST6834-33
Provides 4 Ethernet interfaces (2 x voice, 2 x data) to IP devices.

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 (VICS 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

PHYSICAL

WEIGHT:

SCU, DCU - 3.9 lbs / 1.8kg
RIU, EIU - 3.3 lbs / 1.5kg

DIMENSIONS:

5.1" x 5.3" x 3.5" (L x W x D)
130mm x 135mm x 90mm (L x W x D)

INPUT VOLTAGE RANGE:

18VDC to 36VDC (24Vdc, Typical Level) MIL-STD 1275

POWER CONSUMPTION:

EIU - 8W (Typical), 17W (Max)
SCU, DCU, RIU - 10W (Typical), 17W (Max)

CONNECTORS:

MIL-DTL-38999

INTERFACES

ETHERNET:

SCU, DCU - 2 x 10/100 Megabit Ethernet channels
EIU - 4 x 10/100 Megabit Ethernet channels

RADIO:

SCU, DCU - 2 x Radio Channels, 2 x RS232 Channels
RIU - 4 x Radio Channels, 4 x RS232 Channels

AUDIO:

SCU, DCU - 2 x Analogue Audio Ports
- 4-wire Tx/Rx and PTT

EXTERNAL ALARM:

SCU - 1 x Alarm Port (Right Port)

SPEAKER OUTPUT:

SCU - 1 x Speaker Output

ENVIRONMENTALS

TEMPERATURE:

14° F to 131° F / -10° C to +55° C (Operating)
-4° F to 159.8° F / -20° C to +71° C (Storage)

IMMERSION:

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

HUMIDITY:

Up to 95% relative humidity, 82.4° F to 105.8° F
+28° C to +41° C

FUNGUS:

MIL-STD-810F, Method 508.5

SOLAR:

MIL-STD-810F Method 505.4

SHOCK:

MIL-STD-810E Method 526.4

VIBRATION:

MIL-STD-810E Method 514.4 (M113 Track)

SALT FOG:

MIL-STD-810E Method 509.3 3.5% NaCl

POWER CONDITIONER:

MIL-STD-1275B

ENVIRONMENTAL PERFORMANCE:

MIL-STD-810F