

SwitchplusIP®

Radio Voice Crossbanding System (RVCS)



Interoperability between all your disparate communications equipment including digital radio, analog radio and vehicle intercom

Simplifying Radio Over IP technology

The Radio Voice Crossbanding System (RVCS) was developed by C4i in conjunction with US Army PEO-I using a mix of COTS and Government GFX Software and Commercial Hardware. The resultant product provides crystal clear voice communications crossbanding among any Vehicle Intercom (VIC-3/5), Digital Radio Systems (WVNW, SRW, EPLRS, EHF/UHF, NCW/WIN-T, etc.), Analog Radio Systems (SINCGARS, HF/UHF, Bowman, etc.) providing Point-to-Point & Push-To-Talk communications from Brigade to Battalion to Vehicle and down to the Soldier.

The C4i RVCS provides a unified tactical voice communications solution for brigade to battalion & lower. It does this by providing voice Crossbanding capabilities over multiple military tactical, SATCOM, LMR/P25, supporting reach back and combat voice communications over TYPE I secure network, including SUITE B-SECURE sharing suite interconnections and radio systems. The system is TYPE I security and IA capable per DoD UCR2008 and NIST FIPS 140-2 with integrated SIP/RTP and AS-SIP/SRTP support.

The RVCS is available in four and eight port options while keeping the same compact footprint.



Simplifying communications



Specifications

Dimensions (W x H x D) 216 x 127 x 348 mm

8.5 x 5.0 x 13.7 in

Weight 5.2 kg / 11.5 lbs

Power Input (configuration dependant)

DC 28VDC - MIL-STD-1275

Battery Mil Battery pack optional

Connection Interfaces

DC Power 1 x Mil Circular

Radio Devices 4 x Mil Circular; Audio & PTT
1 per radio connection
Optionally supports up to
8 x Mil Circular

PTT Normally open contact,
150 mA/200V max

CODAN/COR 5-25VDC optically isolated

Serial 4 x RS232 @ standard rates for Radio
Remote Control

CODECS G.729, MELPe, SPEEX, G.711

Ethernet Mil Circular; 3 x Gigabit, 1 x 10/100

USB 4 x Mil Circular

VGA 1 x Mil Circular

Computing

Processor Embedded Intel Core Duo CPU
4GB RAM

Operating System WINDOWS and LINUX OS
Available

Available Software Open Standards Architecture
Software Compatible US Army
VoCom Ready GFX Software,
C4i SwitchplusIP CSU Software,
WAVE

Storage Removable Solid State Hard Disk
Drive

Environmental

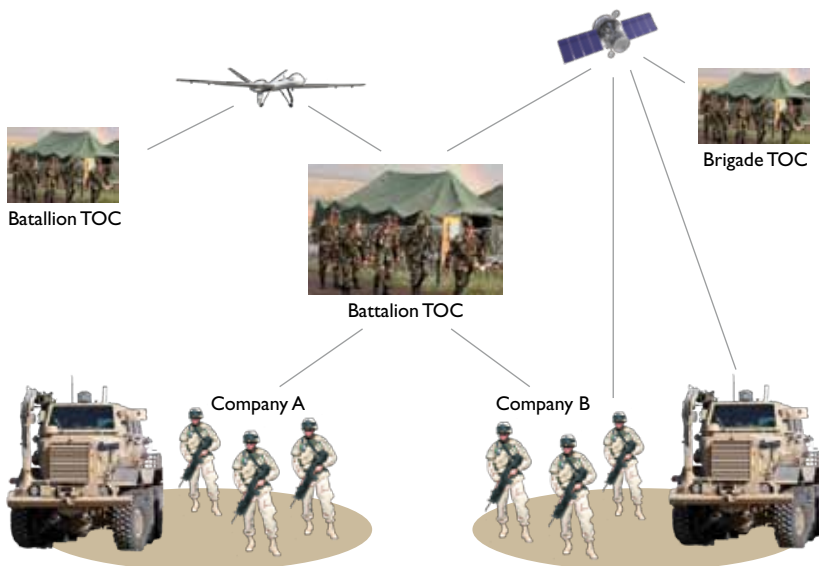
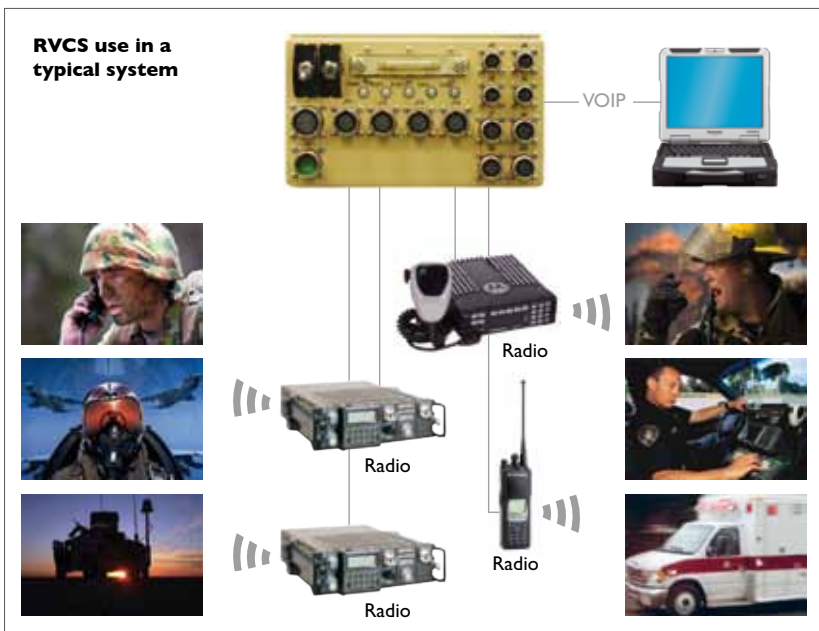
Designed to meet MIL-STD-810 & MIL-STD-461

Options

MIL-STD-1553

CAN BUS Controller J-1939

8 Audio PTT & Serial for Radio Remote Control
Jackbox Intercom



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