

VENDOR DESCRIPTION

Shown at right is a portable version of the Collins next-generation, all-VME Command, Control, and Communications (C3) jammer system: The Rubicon-II. This version includes a 200 W, 30-400 MHz power amplifier (lower portion of hardened case), a three-slot VME chassis containing the RF-IF Translator, SP-70 Signal Processor and System Controller (center section), and upper panel for laptop/control connections.

The Rubicon-II family of communications jammers are sophisticated modular, plug-and-play open-architecture Electronic Attack systems that easily adapt to new threats as they emerge. The system features standard VME format for all components, fewer interconnect cables, higher system reliability, increased acquisition scan speed, improved sensitivity, and frequency coverage from HF to 18 GHz.



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Business Category: Large Business

CDR

Hardware		
Power: 20 - 2kW	Cooling: Ambient air	Bandwidth Required: 20 MHz per R/T
Weight: 20 lbs (+ PA)	Operating Altitude: 15,000 ft (pressurized)	TCDL Compatibility: Yes
Rec/Trans Weight: 2.5 lbs	Operating Speed: N/A	MTBSA: > 1000 hours
Antenna Weight: Mission-specific	Operating Temp.: -10°C to +50°C	MTTR: 0.5 hrs
Processor Weight: 2.5 lbs	Storage Temp.: -32°C to +65°C	Maintainability: 2-level BIT to LRM level
Internal Volume: Mission-variable	Interface: RS-232, Ethernet	

Performance	
BLOS for JTRS-compliant waveforms: Yes	# of TOC to TOC nets using TOC-to-TOC radios: R/T-dependent
Supports any combination of voice or data networks: R/T-dependent	# of JTRS compliant waveforms: Variable
Capable of cross-banding between radios/waveforms: Yes	Relay for HS LOS trunk radios: Multiple; R/T-dependent
Capable of paging services: Yes	# of simultaneous nets jammed: Multiple; depends on number of receiver/exciter employed
Capable of cross-linking between multiple UAVs: Yes	# of back single-channel UHF Sat Comm relays: # of R/Ts
Capable of cross-banding between CRP-D components: Yes	Capable of Link 16 nets at one time: Yes
Beyond line-of-sight (BLOS) relay for EPLRS of the Tactical Internet: Yes	Capable of CDMA wireless telephone services: No
Remote control of the payload via an on-board comms manager controller: Yes	
Capable of integration into the WIN-T Network Management System: Yes	
Capable of integration into the Joint Network Management System (JNMS): Yes	