

INTEROPERABILITY

CODAN RIOS



The Codan RIOS provides interoperability between a range of communications devices, including radios, smartphones and computers, enabling a fully integrated communications network from anywhere in the world. The Codan RIOS is the solution for enabling users with different vendor devices to seamlessly communicate across any platform.

EIGHT-PORT TACTICAL INTEROPERABILITY UNIT

The Codan RIOS integrates a TAC2 I/O Module and a MIL-STD-810F Gateway Controller within an environmentally protected FAA-compliant transit case. The rear-interfacing TAC2 I/O Module provides eight high-density interface ports for interoperable voice communications. The TAC2 module interfaces to all types of HF, VHF, UHF, 700/800 MHz, cell phones and satellite handsets, allowing the operator to quickly interconnect disparate devices by means of the intuitive Graphical User Interface.

On-board power management offers DC input with external lithium ion battery power to the I/O module and PC controller. Network options include LAN with Wi-Fi and/or customer-provided USB data connection. Tactical packaging includes MIL-STD power and interior and exterior USB connectors for computer charging and interface.



Integrated Power Management

Control: Daylight readable Windows gateway controller.*

Network: Integrated router with LAN, Wi-Fi, and USB cellular data connection access.*

Enclosure: Pelican iM2500 roller case: Water resistant, pressure release valve, telescoping handle.

High-Density Radio Interface: Eight (8) D-Sub 26-pin connectors for standard and/or remote radio control interface for two-way radios.

Power: DC input or AC with power supply provided. DC output for auxiliary devices, 12 Volts at 1.5 amps. Integrated Lind for integrated laptop charging.



*Items subject to change. Contact Codan for latest component specifications.

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SPECIFICATIONS

Interfaces	8 Transceiver ports (26 pin high density) Ruggedised USB port External PTT input DC Input: 9 to 36 V DC
Mechanical	Weight: 31 lbs (9.5 kg) with Battery Dimensions: 8.9" H x 21.7" W x 14.1" D (22.6 cm H, 55.1 cm W, x 35.8 cm D) Housed in a green Pelican iM 2500 case with lid organiser
Includes	RIOS Gateway Controller software application Lind power adaptor for ruggedised laptop AC mains to DC power supply and line cord Ruggedised laptop

Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.

ACCESSORIES

Hardware:

- Codan Envoy/NGT to RIOS TAC2 interface cable
- Codan Manpack to RIOS TAC2 interface cable
- OEM Radio interface cables on request
- Generic interface cable (unterminated flying leads)
- iSPACE GSM Card
- iSPACE Single GSM Card Enclosure
- TAC2 2590 Lithium Ion Battery and Charger Package

Software:

- RIOS Client Computer Connection Port
- RIOS Lite Smartphone Connection Port
- RIOS Lite Smartphone Profile
- RIOS Video Feed Connection Port
- RIOS Video Device Profile
- RIOS Video Server Application
- RIOS Playback with Archive Recording
- RIOS Lite GPS Mapping Module
- RIOS MultiSite Software Module

ITEMS AS SPARES

- RIOS TAC2 2590 Battery
- RIOS TAC2 2590 Charger Kit
- RIOS TAC2 Power Lind
- RIOS TAC2 Power Supply
- RIOS TAC2 Server to Lind Power Cable
- RIOS TAC2 Positive Lock USB Cable