

# 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)<br>Ruggedised USB port<br>External PTT input<br>DC Input: 9 to 36 V DC                                                           |
| Mechanical     | Weight: 31 lbs (9.5 kg) with Battery<br>Dimensions: 8.9" H x 21.7" W x 14.1" D (22.6 x 55.1 x 35.8 cm) 0.3 kg<br>Housed in a green Pelican iM 2500 case with lid organiser |
| Includes       | RIOS Gateway Controller software application<br>Lind power adaptor for ruggedised laptop<br>AC mains to DC power supply and line cord<br>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

#### 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

**DATASHEET:** Codan RIOS, 12-20319-EN, Issue 7 © 2025