

➤ **FEATURES** AT A GLANCE

- **Interoperability for all types of communications including radio, smartphone and computers**
- **Deploy immediately to the most challenging environments with a standalone FAA-compliant case**
- **Connect to all signaling platforms including HF, VHF, UHF, 700/800 MHz, cellular and satellite phones**
- **Network to anywhere in the world with Ethernet, satellite or wireless IP highly-efficient network integration**

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**



**High-Density Radio Interface**



## SPECIFICATIONS

|                   |  |
|-------------------|--|
| <b>Interfaces</b> | 8 Transceiver ports (26 pin high density)<br>Ruggedised USB port<br>External PTT input<br>DC Input: 9 to 36 V DC   |
| <b>Mechanical</b> | Weight: 31 lbs (9.5 kg) with Battery<br>Dimensions: 8.9" H x 21.7" W x 14.1" D<br>(22.6 cm H, 55.1 cm W, x 35.8 cm D)<br>Housed in a green Pelican iM 2500 case with lid organiser |
| <b>Includes</b>   | 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                         |

## 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

- **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.
- **Device 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.



## ACCESSORIES

|                 |   |
|-----------------|---|
| <b>Hardware</b> | Codan Envoy/NGT to RIOS TAC2 interface cable<br>Codan Manpack to RIOS TAC2 interface cable<br>OEM Radio interface cables on request<br>Generic interface cable (unterminated flying leads)<br>iSPACE GSM Card<br>iSPACE Single GSM Card Enclosure<br>TAC2 2590 Lithium Ion Battery and Charger Package                  |
| <b>Software</b> | RIOS Client Computer Connection Port<br>RIOS Lite Smartphone Connection Port<br>RIOS Lite Smartphone Profile<br>RIOS Video Feed Connection Port<br>RIOS Video Device Profile<br>RIOS Video Server Application<br>RIOS Playback with Archive Recording<br>RIOS Lite GPS Mapping Module<br>RIOS MultiSite Software Module |

CODAN™ is a trademark of Codan Limited. Other brand, product and company names mentioned in this document are trademarks or registered trademarks of their respective holders.

Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation. \* Items subject to change. Contact Codan for latest component specifications.

## CODAN RADIO COMMUNICATIONS

12-20319-EN Issue 5 11/2017



[www.codanradio.com](http://www.codanradio.com)

Australia: +61 8 8305 0528    ▪    US: +1 571 919 6432  
Canada: +1 250 382 8268    ▪    UAE: +971 44 53 72 01

[HFsales@codanradio.com](mailto:HFsales@codanradio.com)