MANTIS

Tactical SDR Kit consisting of ruggedized IoT network and receiver components designed for small team deployment and training.

From TTP development to operational deployment MANTIS offers a flexible user-defined experience. Operators can choose from predefined configurations or take full advantage of MANTIS's modularity to create any number of mission-specific configurations.

Features

- Ruggedizes common lower tier SDR & IoT building blocks to create an affordable and flexible mission ready EW capability.
- Drives commonality in power & connectivity across several SDRs.
- Kit includes common interconnect and power cables .
- Kit bundles everything needed for tactical deployment; multiple radios, IoT processors, cables & batteries into a rugged weather resistant solution with a single SKU.

Benefits

- A cost-effective platform to develop TTPs and deploy with the same kit – Train like you Fight.
- Preloaded open-source software allows freedom of movement in the EW spectrum by tailoring to mission parameters.
- IOT processors allow remote and autonomous operations.

Tactical IOT SDR Kit

MANTIS

SCIS — SPACE COAST INTELLIGENT SOLUTIONS

Melbourne, Florida

Specifications

Commercial SDR

- TX /RX Freq: 1 - 6000 MHz; 20 MHz Bandwidth
- TX power 15dBm (31mW)
- USB 2.0 Power & Connectivity
- Wifi-6 Triband & Bluetooth 5.2

IOT Single Board Computer (SBC)

- (SBC) Quad Core (ARM v8)
- Gigabit Ethernet
- Micro-SD card slot for data storage

Size, Weight, and Power (SWaP)

- Size: ~ 7.5" x 6.75" x 5.0"
- Weight: < 4 lbs (without antennas)
- Power: +5Vdc USB external; internal rechargeable batteries 6800 mAh (batteries are field replaceable)