

# mist Device for Containers **MDC-2**



Physical Characteristics  
 Size: 72.7 x 85.5 x 34.1 mm  
 Weight: 210.7 grams

The **MDC-2** is the first mist® mesh sensor tag specifically designed to monitor and track cargo containers. Mounted inside at the center edge of the left container door, the **MDC-2** provides reliable container monitoring in a covert fashion.

Basic sensors include door-state, mount/demount, temperature, motion and 3-axis shock. The **MDC-2** is designed to also accommodate humidity, height and compass orientation.

Internal batteries provide the **MDC-2** with years of reliable service as both a sensor end-node and mist® mesh routing node.

Location is provided using the unique position beaconing functionality of mist® mesh.



### Mesh Radio

- Radio Type ..... TI CC2538
- Radio Standard ..... 802.15.4 Phy only
- Transmit ..... 2402 MHz – 2480 MHz
- Receive ..... 2402 MHz – 2480 MHz
- ERP ..... -3.3 dBm
- Modulation ..... DSSS
- DSSS Chip Rate ..... 2 Mchips/sec
- Data Rate ..... 250 Kbps
- Channels ..... 16
- Channel Bandwidth ..... 3 MHz