



MiniCom

RuBee Wireless Reader Used for Inventory and Sensor Monitoring

Key Features The MiniCom is a compact RuBee reader with microcontroller, base station, and antennas. It requires a tablet or laptop as a controller.

The MiniCom has a range of up to 10 feet at full power.

The RedFin firmware and Application software is used for tag commissioning, inventory scans, and sensor tag (temp, shock, humidity, vibration, pressure) downloads.

The RuBee (IEEE 1902.1) wireless link is explosive safe (HERF ZERO), fused ordnance safe (HERO ZERO), and physically secure with no tempest, target, or eavesdropping risk.

Technical Specifications

Microcontroller

- Microchip 18F4455

Data Communications

- USB-A Connector

Case

- 3.625" x 3.75" x 1" (Single Channel)
- 4" x 4.5" x 1.5" (Dual Channel)
- Solvent Resistant
- Anti-Static Dissipative (Optional)
- .5 Lb. (225 g)

Emissions Safety

- Meets US FCC Part15B (less than 10^{-9} Watts)
- MIL-STD 385-64 safe emissions near explosives
- HERO SSD = 0 (v504 Firmware – Power 5 max)
- HERF SSD = 0, UL Class 1 Div 1.

Environmental Requirements

- Operating Temperature: -40°C to 85°C
- Storage Temperature: -65°C to 125°C
- MIL-STD 810H (Optional)
- IP65