



User handheld terminal (Master)
Operational description

Wireless Aircraft Weighing System User Handheld Terminal, (master).

The wireless handheld PC terminal features a graphic color touch screen display, intuitive step-by-step operation, and advanced functions such aircraft type library, weighing history, latitude and altitude adjustment. It communicates with up to 5 remote wireless load cells. Synchronized sampling of all load cells ensures correct weighing even under severe vibration and oscillations conditions.

The handheld PC communicates serially with an electronic board implementing the RF protocol and power states.

The terminal operates in two modes:

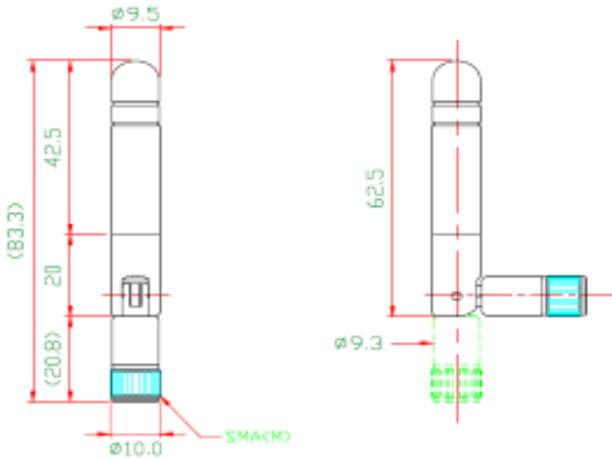
- Standby mode – no transmitting or receiving, low power mode.
- Weighing mode - transceiver mode where the terminal communicates through the RF channel with up to five remote units. In this mode the terminal sends a synchronizing beacon to all remotes and receives the weighing reading.

Antenna description:

The system uses two identical antennas for diversity reasons. The antennas specification is as follows:

- Impedance: 50 ohms
- Frequency: 2.4GHz
- Radiation pattern: omni directional
- Gain: 2dbi (Typ)
- Interface: SMA male connector

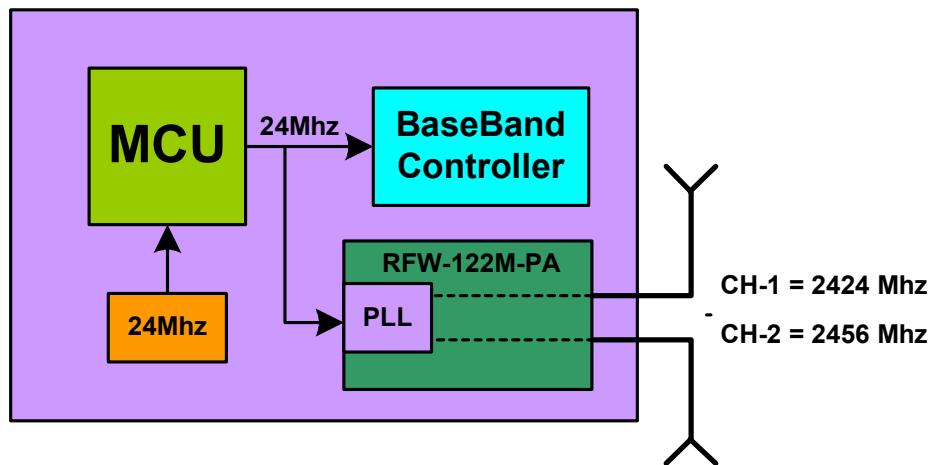
Physical Dimensions



Vishay Advanced Technologies Ltd. – RFWAVES DIVISION

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Block Diagram:



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