

Cyber TTS® Master

Intended to use for middle short and longer range applications. Cyber TTS® Master has an external antenna connector, matching circuitry, and uses proprietary RF protocol for communication with Cyber TTS® nozzle reader.



Installation Instructions

Given that Cyber TTS® Master communicates with Cyber TTS® nozzles over 2.4Ghz wireless connections we recommend few points to be considered during the installation process;

- ▶ The product must be mounted on a surface where the nozzles and the device have a clear direct view that is line-of-side.
- ▶ Installation should preferably be carried out at a high level from the ground preferably above the pump dispensers such that not to have an obstacle between the nozzles and the master device during normal operation of the device.
- ▶ 12V Power supply should be mounted as close as possible to the device.

Features

- ▶ 2.4 GHz IEEE 802.15.4 Transceiver Module
- ▶ Supports proprietary RF protocol
- ▶ FCC (USA), IC (Canada), ETSI (Europe)
- ▶ External Antenna Connector: SMA Connector
- ▶ Integrated PA/LNA - Tx power +20 dBm to +23dBm (depending on the antenna) Rx sensitivity -108 dBm (antenna gain not included)
- ▶ Hardware CSMA-CA Mechanism, Automatic ACK response
- ▶ Hardware security engine (AES-128)
- ▶ Automatic packet retransmit capable

Technical Specifications

- ▶ RF Module: Yes
- ▶ RF Transceiver: Yes
- ▶ RF Transceiver: 2.405-2.475 [GHz]
- ▶ Input Sensitivity: -108.00 [mVpp]
- ▶ RSSI: Yes
- ▶ TX Current Consumption: 120.00 [mA]
- ▶ RX Current Consumption: 25.00 [mA]
- ▶ Sleep Mode Current Consumption: Yes
- ▶ MAC: Yes
- ▶ MAC Features: CSMA-CA
- ▶ Encryption: AES128
- ▶ Dual Power Supply: +12V DC Upon request 220V AC
- ▶ Communication: RS 485
- ▶ Baud Rate: 9600 bps