

Mod Electron provider of RFID



MD864 UHF multi-protocol Reader



Overview

Mod Electron MD864 is an industrial class fixed reader with best-in-class air interface performance. It is easily integrated into supply chain including dock door portals and conveyors systems with 4 main mono static antennas. The robust, software-based architecture provides a rich application platform that addresses the needs of deployments of enterprise integration.

Features

- The microprocessor-controlled, four channel MD864 reader provides an operational link between objects with radio frequency (RF) tags and host information management systems. The reader receives a demodulated signal from the RF module.
- Decodes the ID information, validates the ID code, and transmits the code along with any appended information, such as date, input status, or receiving antenna identification, to the host computer system. The reader also performs control operations specified by the user through reader commands entered at the host computer or through a terminal connected to the trigger or RS458 port.

- The reader can search for specified ID codes and can filter ID data according to user-programmable criteria, which screens out unwanted tag ID sets.
- The MD864 reader supports four channel multiplex operations.
- The reader can control the operation of external equipment such as gates or signal lights connected to the reader's status output terminal. The reader commands allow the user to set and change output operation parameters as necessary.
- The MD864 reader supports RS232, RS485, RJ45, and two Wiegand channels and trigger input capability. The reader is mounted in a weatherproof enclosure.



Specification

Frequency Range

All frequency bands in the world available

Operation Mode

Fixed frequency or FHSS Software Programmable

Communication Rates

RS-232, RS-485, Wiegand 26 bits\34bits, LAN (Optional)

Power

Peak Power >12W

Communication Rates

Up to 57,600 bit/second

RF Output Power

+15 dBm~ 30dBm (Adjustable)

Compatible Type of Tags

EPC C1 Gen2 (ISO18000-6C) , ISO18000-6B



Max. Reading Range

12dBi Antenna use > 10M

Max. Writing Range

12 dBi antenna use >5M

Software Interface

- 1) Allows Programmable interface with host Applications.
- 2) Currently supports VC or VB applications.

Power Consumed

+9V~18VDC, less than 3 Amps
AC 110~230VDC +5V

Dimension/Weight

230mmX200mmX30mm/1.5Kg

Working Temperature

-20 degree ~+55degree centigrade

Storage Temperature

-40 degree ~+70 degree centigrade

Mod Electron Company

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