

Promag UHF880 is a compact all-in-one UHF reader compliant to ISO18000-6C EPC Class 1 Gen2.

This new all-in-one design has built-in antenna and, when combined with a UHF Tag, the reading distance will be up to 5 metres. (depending on tag/card type).

UHF880 features 2 digital inputs and 2 digital outputs controlled with 2 types of interface (RS232/Wiegand and RS485/Wiegand).

With Wi-Fi built in, it's much easier for the user to configure the reader wirelessly at any time. The included middleware can help the user implement UHF RFID in any application/system. The middleware can monitor wi-fi connection status and performance level of readers as well as collect tag data and send it to the database.



Features

- Compatible with different worldwide UHF frequencies
- Compliant to ISO 18000-6C , EPC Class1 Gen2
- Integrated antenna (Circular Polarisation)
- Up to 5m reading distance (depending on cards/tags and environment)
- IP67 Water resistant

Applications

- Access Control
- Asset Tracking
- Warehouse / Logistic Management
- Parking Management

Ordering information

865~868 MHz:

UHF880W-30 - RS232/Wiegand, WiFi Interface

UHF880W-31 - RS485/Wiegand, WiFi Interface

902~928 MHz:

UHF880W-00 - RS232/Wiegand, WiFi Interface

UHF880W-01 - RS485/Wiegand, WiFi Interface

Specification

Interface	RS232/Wiegand or RS485/Wiegand 2.4GHz WiFi. BLE (optional)
RFID Support	ISO 18000-6C, EPC Class 1 Gen 1
Frequency Range	865~868 MHz , 902~928 MHz 920~927 MHz or Customisable
Modulation Type	Amplitude-shift keying (ASK)
RF Power	27dBm (configurable), 20dBm for Saudi Arabia
Antenna Type	Patch Antenna, Circular Polarisation
I/O	RS232/RS485: DI x2, DO x2 Wiegand: DI x2
Power	12V DC (Max 500mA)
Dimensions	260 x 260 x 28mm (LxWxD)
Environment	Temperature Operating: -20°C ~ +70°C Storage: -15°C ~ +65°C Humidity (non-condensing) Operating: 0% ~ 90% Storage: MAX 90%