



## 1862 Handheld RFID Reader, UHF, Bluetooth & USB, EU Kit

The CipherLab 1862 handheld RFID reader gives your Bluetooth® mobile devices extended UHF RFID reading and writing capabilities. Its unique snap-on design enables hassle-free one-hand operation by simply snapping your mobile computers onto its custom mount. In this way, you can integrate barcode capture and UHF RFID data collection into one robust device while the 1862 offers flexibility to switch between RFID tags and barcode readings.

The CipherLab 1862 can read RFID tags in a distance of up to 5 m (16 ft.) and write data up to 1.5 m (5 ft.) away. Warehouse workers are now able to collect or edit RFID tag data attached on high-stacked pallets from ground level. Once item-level identification is required, workers can easily capture data without having to open cases one by one. The CipherLab 1862 handheld RFID reader also offers perfect solution when harsh and hazardous environments make RFID one of the only feasible identification and data collection alternatives.



While barcode labeling and RFID has become complementary solutions that marry identification at the item, case, and pallet levels, CipherLab 1862 handheld RFID reader provides you flexibility by empowering your current mobile devices dual-mode data capture capabilities to support warehouse and logistics operations, enterprise asset management, field service, and retail inventory management. The reader is supplied with multiple configurators for PC, Windows® mobile computers, CipherLab terminals, and a .NET SDK for user development, making it easy to set up related parameters, and change or edit formats. Besides, the CipherLab 1862 handheld RFID reader comes with 2 batteries to give you 24/7 operation with no down time.

Certified with IP64, 1.5 m drop resistance, and sustaining 1,000 tumbles at 1 m, the 1862 allows for efficient productivity under harsh conditions.

You can buy special adapters for different mobile devices as option to the handheld RFID reader CipherLab 1862.



# Technical Description

## Functionality & Operation

Memory	4MB
Indicators	Three-color LED (red / blue / green), buzzer, vibration
Communication interface	Bluetooth Class II 5.1 ver. 2.1+ EDR, USB-VCP
Bluetooth profiles	HID, SPP
Frequency	UHF: 865 - 868 MHz (EU), UHF: 902 - 928 MHz (US)
Antennas, Antenna inputs	internal
RFID transponder protocols	ISO 18000-6C, EPC Class 1 Gen2
Maximal transmit power	30dBm
Operation interface	2x button, 1x trigger, 1x toggle key
Configuration	by EZ Configurator

## Electrical

Main battery pack operating time	8hod
Main battery pack	Li-Ion 2500 mAh, 3,7V

## Mechanical

Dimensions	Width: 163.5mm, Height: 85.7mm Length: 146.5mm
Weight	520g

## Environment

Operating temperature	-10 to 50°C
Storage temperature	-30 to 70°C
Storage humidity (non-condensing)	9 to 95%
Operating humidity (non-condensing)	10 to 90%
Shock resistance	1000 tumbles at 1 m, multiply drops from 1,5 m onto concrete surface
Ingress protection	IP64
Electrical static discharge	±8kV contact, ±15kV air

## Others

Certifications	CE, FCC, NCC, REACH, RoHS, WEEE
Development tools	.NET SDK

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