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1862

Industrial Handheld RFID Reader

With the rising trend of RFID technology driven by applications such as asset management and item level tagging in Warehousing, Distribution Center and Retailing industries. CipherLab thoughtfully developed the 1862 to help enterprises smoothly adopt the RFID technology into the existing operations. CipherLab's 1862 provides strong RFID reader options to extend RFID reading and writing capabilities. Combining with versatile pairing that is compatible with existing mobile devices, users can simultaneously handle both RFID and barcode applications seamlessly.

| UHF RFID | 1.5M MULTIPLE DROPS | IP64 | 1,000 TUMBLES AT 1M | BT4.0 CONNECTION |

Smooth Operation with Strong RFID Technology

CipherLab's 1862 RFID handheld reader is carefully crafted to integrate RFID technology into your operation easily. Along with up to 5 m RFID reading range and *Bluetooth*® pairing versatility to existing mobile devices, the 1862 also comes equipped with powerful software utilities for easy configuration and customization for user friendliness. More than just these advantages, its IP64 rugged design and custom mounts for different mobile devices also provide non-stop productivity and effortless one hand operation to produce results with comfort.

High Performance Independent RFID Reader

The 1862 is a device to make RFID data collections easy and efficient. 1862 has a long reading range from near contact to as far as 5 m (16.5 ft.) and write data up to 1.5 m (4.9 ft.) away. On top of that, it is able to simultaneously read manifold EPC Gen 2 (ISO 18000-6C) tags so workers can easily capture multiple data at one time. The human effort on tracking and managing every asset is therefore reduced to create maximum productivity for where RFID becomes the only feasible identification and data collection alternative.
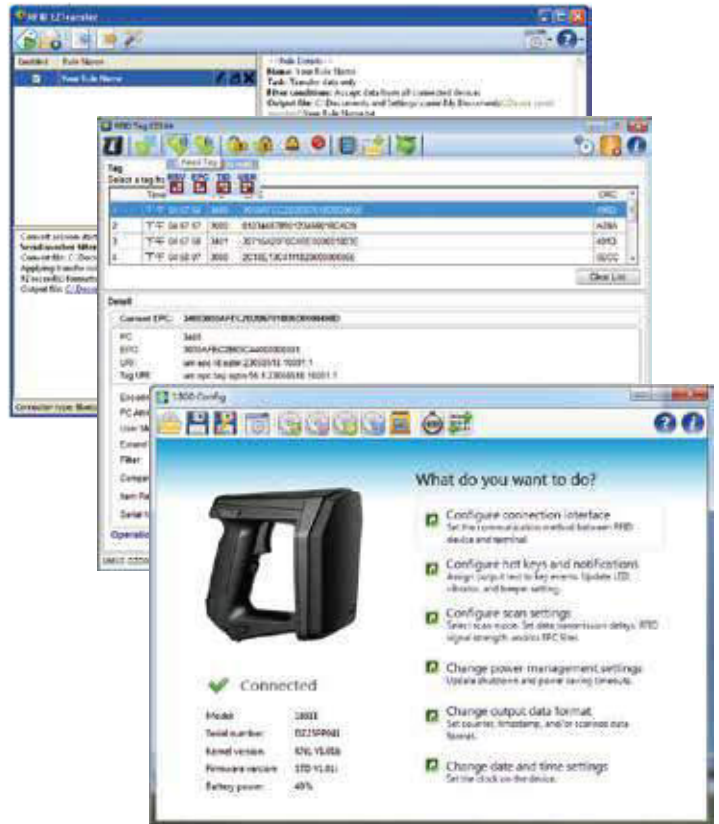
Versatile Data Capture for Existing Mobile Devices

CipherLab's 1862 RFID handheld reader achieves versatile data collection with UHF RFID, 1D and 2D barcode capabilities. Unique from typical RFID readers, the CipherLab 1862 handheld RFID reader gives you extended RFID reading and writing capabilities via *Bluetooth*® pairing with user's existing mobile devices. The 1862 is specially equipped with *Bluetooth*® V4.0 dual mode which is growing in popularity and backward compatible with future and existing smart device. This ultimately means that there is no need for high-cost replacements.

Easy Configuration with Powerful and Value-Added Software

The CipherLab's 1862 RFID handheld reader is supplied with multiple configurators that complement business operations. It comes with EZSuite which is a comprehensive suite of intuitive software utilities including EZConfig, EZTransfer and EZEdit. EZSuite allows for simple configuration for the 1862 based on user's specific settings, such as connection interface, hot keys, tag data edit, convert and updates. Moreover, Development tools such as SDK for Windows® Mobile, Windows® CE and Android devices allow users to customize applications through various platforms.

EZConfig
The utility for tweaking the settings of the 1862 at a few clicks

EZTransfer
To retrieve data from the 1862 to computer when 1862 is set to memory mode

EZEdit
Editing an RFID tag when using the 1862 to read and write tags

Durable Designs Producing Non-Stop Productivity with Simple Operation

Extensively tested for durability, the CipherLab 1862 handheld RFID reader is able to meet challenges from harsh environments. It is rated IP64 and able to sustain multiple drops onto concrete from 1.5 m (5 ft.) plus 1,000 tumbles at 1 m (3 ft.). It offers continuous functionality regardless of harsh conditions with dusts and humidity or accidental falls onto rough surfaces. The CipherLab 1862 handheld RFID reader further ensures continuous productivity with effortless one hand operation. Just simply snapping your mobile computers or smart devices on its custom mounts attached to the 1862 handheld RFID reader, users could enjoy hassle-free and comfortable operation via a single unit.

Switch for RFID tags or barcodes

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Handheld RFID Reader

		1862
Performance	CPU	ARM Cortex-M3 32 bit
	Memory	4 MB
	Operating power	Rechargeable 3.7V 2500 mAh Li-ion battery
	Working hours[1]	8 hours
	Alert	Tri-color LEDs (red / blue / green), vibrator, beeper
Communication interface	WPAN	*Bluetooth*® V4.0 dual mode (2.1 + EDR / BLE)
	Bluetooth® profile	SPP Slave, Master, HID
	USB	Virtual COM
RFID data capture	Frequency	UHF : 865 ~ 868 MHz / 902 ~ 928 MHz
	Read / Write range[2]	Up to 5 m (16.5 ft.) / Up to 1.5 m (4.9 ft.)
	Antenna type	Internal antenna
	Support tags	EPCglobal UHF Gen 2, ISO 18000-6c
	Max. output power[3]	30 dBm
Physical characteristics	Keys	2 function keys, 1 trigger key, 1 toggle switch
	Dimensions (L x W x H)	163.5 x 85.7 x 146.5 mm
	Weight (w/ battery)	520 g / 18.3 oz.
User environment	Operating temperature	-10 °C to 50 °C / 14 °F to 122 °F
	Storage temperature (w/o battery)	-30 ºC to 70 ºC / -22 ºF to 158 ºF
	Humidity (non-condensed)	Storage 5% to 95% / Operating 10% to 90%
	Impact resistance	Multiple 1.5m / 5 ft. drops onto concrete, 5 drops on each side / 1,000 tumbles at 1 m (3.3 ft.) / IP64
	Electrostatic discharge	± 15kV air discharge / ± 8kV direct discharge
	EMC regulation	CE, RoHS, REACH, WEEE, ErP, FCC, NCC
Configuration		Can be configured through PC, Windows® mobile computers, CipherLab terminals, and a .NET SDK (CE, Mobile) via 1860 Configurator.
Accessories		3610 *Bluetooth*® transponder, micro USB cable, battery charger, 2 battery packs, CipherLab CP55/ CP50/ 9600/ Universal and other custom mobile computer mounts on demand.
Warranty		1 year

1. Based on one scan per five seconds at 1-meter distance.
2. Actual read / write range is dependent upon a number of factors, including the specific tag used, nature of the items tagged, and presence or absence of radio interference.
3. Output power varies to be in line with local regulations.

ACCESSORIES

Battery Charger

CipherLab 9600
Mobile Computer Mount

CipherLab CP50 / CP55
Mobile Computer Mount

Universal Mount
(clamp arm width: 35 ~ 80mm)

3610 *Bluetooth*® Transponder

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