CIPHERLAB Smarter

1861

Handheld RFID Reader

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Designed for warehouse operations, logistics centers, manufacturing plants and retail operations, the CipherLab 1861 is a handheld RFID reader which addresses the growing demand for ultra-high frequency (UHF) RFID applications. The 1861 allows users the freedom to read and write RFID tags from a greater distance, increasing efficiency – the ability to get more done in less time, ultimately reducing costs and strengthening the bottom line.

Connect to PC for Easy Configuration

The 1861 comes with CipherLab ScanMaster at no extra cost. ScanMaster software offers an easy solution to configure 1861 to suit your specific business needs. It is easy to set up related parameters, also change and edit formats through the standard Windows® operating system in a PC via USB interface.

Value-added Solution for Mobile Computers

A peripheral device that is used in supplement to *Bluetooth*®-enabled mobile computers, the 1861 allows CipherLab's own 8400 or 9600 series, and other branded mobile computers to snap onto its holder, in order to provide you with additional UHF RFID read/write ability on top of traditional barcode capture. A user can easily switch between RFID tag reading and barcode reading via a reader switch on the 1861; it is thus suited for operations that require extreme flexibility in data acquisition options. Workers are now able to read and write, from ground level, RFID tags in pallets that are stacked high.

Durable Performance, Non-Stop Productivity

Extensively tested for durability, the 1861 can survive multiple drops onto concrete from 1.5 m (5 ft.), and 1,000 tumbles at 1 m (3 ft.), which ensures continued productivity even in the case of careless falls onto unforgiving surfaces. In addition, it is rated IP64, ensuring protection against harsh environments, such as warehouses, logistics centers, and factories.

Data Capture via UHF RFID Increases Adaptability

The 1861 meets the latest requirements to adapt RFID technology in warehousing operations, as well as logistics, manufacturing and retail industries. The UHF RFID read/write capability enables data collection from RFID tags via ultra-high frequency, allowing workers to read/write RFID tags from a distance of up to 1 m (3.3 ft.)/ 0.5 m (1.6 ft.) to improve productivity significantly.

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Performance	CPU	ARM Cortex-M3 32 bit
	Memory	4 MB
	Operating power	Rechargeable 3.7V 2500 mAh Li-ion battery
	Working hours*[1]	10 Hours
	Alert	Tri-color LEDs (red / blue / green), vibrator, beeper
Wireless Communication	WPAN	*Bluetooth*® V2.1 + EDR class 2
	Bluetooth® profile	SPP Slave, Master
RFID Data Capture	Frequency	865 ~ 868 MHz / 902 ~ 928 MHz / 952 ~ 954 MHz
	Max. Reading / Writing range*	1 m (3.3 ft.) / 0.5 m (1.6 ft.)
	Antenna type	Linear polarized
	Support tags	EPCglobal UHF Gen 2, ISO 18000-6c
	Output power	24 dBm
Physical characteristics	Keys	2 function keys, 1 trigger key, 1 toggle switch
	Dimensions (L x W x H)	187.5 x 85.7 x 146.5mm
	Weight (including battery)	502 g / 17.7 oz.
User environment	Operating temperature	-20 °F to 60 °C / -4 °F to 140 °F
	Storage temperature	-30 ºF 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. drop 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	FCC, CE, BSMI, NCC
Configulation		Comes with Windows®-based ScanMaster software for fast and easy customization via USB interface
Accessories		3610 *Bluetooth*® Transponder, Micro USB cable, battery charger, mobile computer holder
Warranty		1 year

Bluetooth®

ACCESSORIES

Battery Charger

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