

HyWEAR compact

Hybrid Barcode & RFID Wearable

- Combination of compact RFID & Barcode device and comfortable, fingerless glove
- Ergonomic and easy to use, usable with and without gloves
- Housed in a pouch, the device is protected and does not scratch other products and surfaces
- State-of-the-art wireless technology (Bluetooth, WiFi 2.4 GHz / 5 GHz with Roaming function)
- 2 buttons on the device for various configuration options
- Highly visible feedback LEDs, buzzer and vibration feedback
- Exchangeable secondary battery with high capacity
- Available in three different variants



More efficiency for your logistical processes

HyWEAR compact is a hybrid Barcode & RFID Wearable that makes manual materials handling processes more efficient by freeing both hands to perform work.

The powerful electronics identifies 1D and 2D barcodes, UHF RAIN RFID tags or both as a hybrid data collection tool. The device is installed on a comfortable handcuff, leaving the user's fingers, hand and arm free to move.

Great variety of applications

HyWEAR compact is an ideal tool for use in warehouse, distribution, manufacturing, baggage handling, parcel delivery and logistics operations where workers physically handle items such as picking, packing, delivering or moving goods in the performance of their job while also tasked to collect data. As a wearable device, the worker's hands are completely unencumbered to pick up and move items.

Bluetooth & WiFi 2.4 Ghz / 5 GHz with Roaming function

HyWEAR compact's state-of-the-art WiFi offers the highest level of convenience with the ability to roam from one radio cell to another without special receiving stations. WiFi roaming allows the HyWEAR compact to automatically switch from one radio cell to the next without logging in - the device transparently connects to the new WiFi access node as it moves within range of stronger node, seamlessly integrating into existing process chains. In addition, several devices within a radio cell can be connected to the Ethernet via WiFi.

High capacity battery increases flexibility and lowers costs

HyWEAR compact has a high capacity, long-life, rechargeable battery that powers the device for the duration of a working shift. Should the battery require replacement during a work period, it can easily be replaced with another fully charged battery. The modularity of this design lowers the maintenance costs.



Hybrid Barcode & RFID Wearable

The comfortable solution for working with both hands with current radio technology, powerful battery and less maintenance costs

Product details	HyWEAR compact	Accessories
Available variants	UHF RFID Barcode 1D & 2D RFID & Barcode	Battery
Mechanical Data		
Housing	Robust ABS	Easy exchangeable battery
Dimensions	60 mm x 50 mm x 23 mm (2.36 inch x 1.97 inch x 0.91 inch)	Charger
Weight	approx. 70 g	
Protection class	IP54	4-Bay Battery Charger
Color	black (translucent) / red	Fingerless glove
Elektrical Data		
UHF RFID		
- Operating frequency	865 MHz up to 868 MHz (Version EU) 902 MHz up to 928 MHz (Version FCC)	Comfortable and flexible fingerless glove
- Supported transponders	EPC Class1 Gen2	
Barcode	1D: EAN-8, EAN-13, UPC-A, UPC-E, Code 128, Code 39, Code 93, Interleaved 2of5, Codabar, Codablock_F 2D: DataMatrix, QR Code, Micro QR, Aztec Code, Maxi Code, PDF417, MicroPDF	
Radio functions	WiFi 2.4GHz and 5GHz, IEEE 802.11 a/b/g/n/h, WPA/WPA2 PSK Roaming function Bluetooth 5.0, Protocol: HID, SPP	
Signal indicator	Red/green High Power Feedback LEDs Buzzer and vibration feedback, Status LEDs	
Battery	1000 mAh Lithium-Polymer; 3.7 V	
Environmental conditions		
Temperature range	Operation: -20°C up to 55°C Storage: -25°C up to 85°C	
Humidity	5% up to 95% (non-condensing storage)	
Drop	1.5 m drop to concrete	
Drop resistance	500 rollovers from a height of 50 cm	
Standard conformity		
Radio approvals		
- Europe	EN 302 208, EN 300 328	
- USA	FCC 47 CFR Part 15	
EMC	EN 301 489	
Safety		
- Low voltage	EN 62368	
- Human Exposure	EN 50364	
Others	RoHS, WEEE	

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