

HyWEAR compact

HYBRID BARCODE & RFID WEARABLE

- Combination of compact RFID & Barcode device with comfortable, fingerless glove
- Ergonomic and easy to use, usable with and without gloves
- Safely housed in a pouch on the fingerless glove
- Easy integration into existing processes by Bluetooth or WiFi 2.4 GHz / 5 GHz with Roaming function
- 2 custom configurable buttons on the device for various configuration options
- Highly visible feedback LEDs, buzzer and vibration feedback
- Field swappable battery with high capacity



More efficiency for your logistical processes

HyWEAR compact is a hybrid Barcode & RFID Wearable that makes manual material handling processes more efficient by freeing both hands to perform work. Depending on the variant the wearable identifies 1D and 2D barcodes, UHF RAIN RFID tags or both as a hybrid data collection tool. The device is installed on a flexibly adjustable 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 that enables employees to work in a much more ergonomic manner. The scanning process is triggered simply by thumb using a tactile switch, additional visual feedback via the clearly visible status LEDs as well as the vibration feedback and acoustic signals ensure maximum process reliability and minimize the risk of incorrect scans.

Bluetooth & WiFi 2.4 GHz / 5 GHz with Roaming function

HyWEAR compact works without special receiving stations and can be integrated immediately into existing process chains. Several devices can be connected directly to the Ethernet within a radio cell via WLAN. HyWEAR compact can switch from one radio cell to the next using WiFi roaming without having to register again – the device connects automatically and imperceptibly to the new WiFi access node.

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.

Technical data

Housing	robust ABS
Dimensions (w x h x d)	60 mm x 50 mm x 23 mm (2.36 inch x 1.97 inch x 0.91 inch)
Weight	approx. 70 g
Color	black (translucent) / red
Protection class	IP54
UHF RFID	
Operating frequency	865 MHz bis 868 MHz (version EU) 902 MHz bis 928 MHz (version FCC)
Supported transponders	EPC Class1 Gen2
Barcode	
1D-Decoding	EAN-8, EAN-13, UPC-A, UPC-E, Code 128, Code 39, Code 93, Interleaved 2of5, [others on request]
2D-Decoding	DataMatrix, QR Code, PDF417
Radio functions	WLAN 2.4 GHz and 5 GHz, IEEE 802.11 a/b/g/n/h, WPA / WPA2 PSK, WPA2 Enterprise (802.1x) Roaming function* Bluetooth 5.0, Protocol: HID, SPP
Signal indicator	red / green / yellow / blue Status LEDs Buzzer and vibration feedback
Battery	1100 mAh Lithium-Polymer, 3.7 V

*WLAN is only available in the FCC version

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 licence	EN 302 208, EN 300 328 (EU) FCC 47 CFR Part 15 (USA)
EMC	EN 301 489
Safety	EN 62368 (Low voltage directive), EN 50364 (Human exposure)
Others	RoHS, WEEE
Available variants	UHF RFID Barcode 1D & 2D (HyWEAR compact sR / HyWEAR compact xTB) RFID & Barcode



Easy exchangeable battery



4-Bay Battery Charger



Usable with and without working gloves