

Hybrid Barcode & RFID Wearable optimizes logistical processes and relieves the employee

At LogiMAT 2019 FEIG ELECTRONIC will be presenting the HyWEAR compact, the new hybrid Barcode & RFID Wearable, which makes logistical processes more efficient by freeing both hands to perform work.



Significant reduction in processing time per unit compared to conventional scanners or RFID handheld devices

Two-handed work is faster, easier and more efficient. 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 (photo left).

The use of HyWEAR compact saves several seconds when identifying a barcode or an RFID transponder per article compared to conventional scanners or handheld readers, since the usual steps like picking up the handheld device, performing the scan and resetting it are simply eliminated.

The data acquisition with the HyWEAR compact takes place in the same motion sequence as grasping the article. This avoids time-consuming movements and unnecessary workloads.

HyWEAR compact can be integrated directly into the processes via WiFi (2.4 GHz / 5 GHz)

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. WLAN 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 WLAN 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 WLAN.

High capacity battery increases flexibility and saves 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 (photo right).

The modularity of this design lowers the maintenance costs.

Technology platform and SDK

With the HyWEAR compact, FEIG is expanding the product portfolio of the new Portable Solutions product line PANMOBIL and is available in three variants. Depending on the version, it identifies either 1D and 2D barcodes, UHF transponders (865 - 928 MHz) or as hybrid variant barcodes and UHF transponders.

The hybrid version includes a self-made UHF reader module - after all, FEIG has almost 30 years of experience in RFID development.

The barcode scanner is triggered by a specially developed Easy Scan trigger on the index finger of the cuff and changes after a defined period of non-use in a power saving mode.

In addition to WiFi 2.4 GHz / 5 GHz with roaming function, HyWEAR compact offers with Bluetooth 5.0 the latest wireless technologies. For the wireless transmission of the collected data to the desired ERP system FEIG provides an SDK.

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.

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World premiere at the LogiMAT 2019

HyWEAR compact will be exhibited for the first time at LogiMAT 2019 in Stuttgart.
Visit us in hall 4 on stand F15.