

HyWEAR compact xT

EXTENDED BARCODE WEARABLE

- Combination of compact Barcode scanner with powerful Barcode Scan-Engine and comfortable, fingerless glove
- Ergonomic to use, even with different working 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

The Extended Barcode Wearable HyWEAR compact xT makes manual material handling processes more efficient by freeing both hands to perform work. The powerful optical engine identifies 1D and 2D barcodes and is installed on a comfortable handcuff, leaving the user's fingers, hand and arm free to move.

Great variety of applications

HyWEAR compact xT is equipped with a highperformance barcode scan engine that enables the acquisition of all common barcode types with an extended scan area. For the employees, this means much more ergonomic work steps. 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 xT 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 xT 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 xT 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																
Image resolution	1,280 x 800 Pixel																
Reading field of view	48° x 30°																
Aimer	655 nm Laser																
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, Aztec, Dotcode (others on request)																
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 funktion 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																
Standard range*	<table><thead><tr><th>Symbology / X-Dim</th><th>Near field- / Far field range</th></tr></thead><tbody><tr><td>Code 39 – 3 mil</td><td>7.6 cm / 2.99 in to 14.7 cm / 5.79 in</td></tr><tr><td>PDF 417 – 6,7 mil</td><td>6.3 cm / 2.48 in to 25.7 cm / 10.12 in</td></tr><tr><td>DataMatrix – 10 mil</td><td>5.8 cm / 2.28 in to 27.8 cm / 10.94 in</td></tr><tr><td>QR Code – 20 mil</td><td>2.8 cm / 1.10 in to 44.5 cm / 17.52 in</td></tr><tr><td>UPC A – 100 %</td><td>4.1 cm / 1.61 in to 63.2 cm / 24.88 in</td></tr><tr><td>Code 128 – 15 mil</td><td>6.1 cm / 2.40 in to 70.6 cm / 27.80 in</td></tr><tr><td>Code 39 – 20 mil</td><td>4.1 cm / 1.61 in to 91.7 cm / 36.10 in</td></tr></tbody></table>	Symbology / X-Dim	Near field- / Far field range	Code 39 – 3 mil	7.6 cm / 2.99 in to 14.7 cm / 5.79 in	PDF 417 – 6,7 mil	6.3 cm / 2.48 in to 25.7 cm / 10.12 in	DataMatrix – 10 mil	5.8 cm / 2.28 in to 27.8 cm / 10.94 in	QR Code – 20 mil	2.8 cm / 1.10 in to 44.5 cm / 17.52 in	UPC A – 100 %	4.1 cm / 1.61 in to 63.2 cm / 24.88 in	Code 128 – 15 mil	6.1 cm / 2.40 in to 70.6 cm / 27.80 in	Code 39 – 20 mil	4.1 cm / 1.61 in to 91.7 cm / 36.10 in
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* Depending on print quality, contrast and lighting

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 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



Easy exchangeable battery



4-Bay Battery Charger



Usable with and without working gloves