8680i

Smart Wearable

The 8680 Smart Wearable is a compact, high-performance, hands-free cordless scanner to help businesses improve workflow efficiency.

The Standard version offers lightweight, ergonomic Bluetooth®-wearable scanning with clear communication of wireless connection, battery status, and scan results.

With Wi-Fi and a customizable user-facing display on the Advanced model, the 8680i Smart Wearable enables streamlined workflows with a single device. Key information can be presented to the worker to drive tasks such as picking, packing, or sorting, and the two-button interface enables task-specific responses (for example, confirm action completion or mark an exception).

Configuration options help tailor the 8680i device to the environment. It is available as a two-finger ring or a glove (coming soon), and can use slim or extended batteries to suit the duty cycle, shift length, and size/weight priorities. Available in a Standard version for simple Bluetooth-paired data collection or an Advanced version for standalone operation in directed workflows, the 8680i Smart Wearable can add efficiency and effectiveness to the most common tasks.

The ergonomic 8680i Smart Wearable Standard eliminates wasted motion with always-at-hand scanning to increase high frequency workflow efficiency. The Advanced model further improves effectiveness by delivering essential workflow information directly to the worker's line of sight.

FEATURES & BENEFITS

Ergonomic Wearable for Workflow Efficiency
The 8680i Smart Wearable is designed to speed frequent scanning tasks, leaving hands free to do the job needed.

Reduced Acquisition and Operations Costs
Advanced version offers customizable line-of-sight screen, Wi-Fi, and SDK for application development, enabling the 8680i device to support streamlined workflows as a standalone device vs. scanner + mobile computer alternatives.

Customizable to Fit Application
Accessories to the scanner module enable ring or glove form factor; extended or slim batteries tailor size/weight to duty cycle needs; Standard or Advanced versions to fit workflow needs.

Built Rugged for the Real World
Engineered for 2,000 0.5 meter (1.6 feet) tumbles, the 8680i Smart Wearable is built to endure rugged work environments.

Honeywell Connected
Workflow analytics to manage battery population lifecycle, ensuring uninterrupted full-shift operation; simple deployment of setting and firmware updates.

8680i Smart Wearable Technical Specifications

MECHANICAL

Dimensions (L x W x H):

Slim Battery Version: 81 mm x 56 mm x 31.3 mm (3.2 in x 2.2 in x 1.2 in)

Extended Battery Version: 81 mm x 56 mm x 35 mm (3.2 in x 2.2 in x 1.4 in)

Weight:

Triggered Ring with Slim Battery: 151 g (5.3 oz)

Triggered Ring with Extended Battery: 168 g (5.9 oz)

Scan Performance:

Scan Pattern: Omni-directional area imager

Motion Tolerance: Up to 584 cm (230 in)/second

Symbol Contrast: 20% minimum reflectance

Pitch: ±45°

Skew: ±60°

Warranty: Two-year factory warranty (Note: Battery warranty is one year.)

TYPICAL PERFORMANCE*

Symbology/X–Dim	Typical Range*
100% UPC	54 mm to 526 mm (2.1 in to 20.7 in)
10 mil Code 39	54 mm to 435 mm (2.1 in to 17.1 in)
15 mil Code 39	31 mm to 542 mm (1.2 in to 21.3 in)
10 mil PDF417	49 mm to 389 mm (1.9 in to 15.3 in)
MaxiCode	72 mm to 521 mm (2.8 in to 20.5 in)

ENVIRONMENTAL

Operating Temperature: -20°C to 50°C (-4°F to 122°F)

Storage Temperature: -20°C to 60°C (-4°F to 140°F)

Humidity: 0% to 95% relative humidity (non-condensing)

Drop: 30 1.5 m (4.9 ft) drops to concrete

Tumble: 2,000 0.5 meter (1.6 ft) tumbles

Environmental Sealing: IP54

Light Levels: 0 to 100,000 lux

ESD: ±20 kV air discharge, ±10 kV contact discharge

WIRELESS

Radio Range:

- 2.4 GHz to 2.5 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v. 4.1: Class 1; 100 m (330 ft) line of sight; NFC communications to simplify pairing
- Advanced: Bluetooth above plus Wi-Fi 802.11 a/b/g/n/ac

Battery: 3.6 V, 1200 mAh (slim), 2160 mAh (extended)

Number of Scans:

Slim Battery Version: 3,000 over 8-hour shift

Extended Battery Version: 8,000 over 10-hour shift

Expected Charge Time: 4 hours

*Performance may be impacted by barcode quality and environmental conditions

For a complete listing of all compliance approvals and certifications, please visit www. honeywellaidc.com/ compliance.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc. com/symbologies.

For more information

www.honeywellaidc.com

Honeywell Safety and Productivity Solutions

9680 Old Bailes Road
Fort Mill, SC 29707
800-582-4263
honeywell.com

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Honeywell