8680i
Wearable Mini Mobile Computer

The 8680i is a compact, high-performance, hands-free mini mobile computer to help businesses improve workflow efficiency.

The 8680i Advanced model drives streamlined workflows onto a single device for many applications, replacing a scanner and mobile computer.

The customizable user-facing display communicates workflow instructions, while the two-button interface enables users to navigate menus and confirm selections. The 8680i wearable mini mobile connects directly to the network application through Wi-Fi and the SDK. Converging common applications such as picking, packing, and sorting onto a single device offers improved ergonomics and reduced acquisition cost when replacing current wearable scanner plus mobile computer solutions.

A Standard version offers lightweight, ergonomic Bluetooth®-wearable scanning with clear communication of wireless connection, battery status, and scan results when paired with another device.

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. With performance to drive effective workflows and durability to survive tough operating environments, the 8680i wearable mini mobile can add efficiency and effectiveness to the most common tasks.

FEATURES & BENEFITS

Ergonomic Wearable for Workflow Efficiency
The 8680i wearable mini mobile 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, replacing 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 wearable mini mobile 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 Wearable Mini Mobile Computer 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*

<table>
<thead>
<tr>
<th>Symbology/X-Dim</th>
<th>Typical Range*</th>
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<tbody>
<tr>
<td>10 mil Code 39</td>
<td>65 mm to 544 mm (2.6 in to 21.4 in)</td>
</tr>
<tr>
<td>20 mil Code 39</td>
<td>49 mm to 812 mm (1.9 in to 32 in)</td>
</tr>
<tr>
<td>10 mil DataMatrix</td>
<td>113 mm to 275 mm (4.4 in to 10.8 in)</td>
</tr>
<tr>
<td>6.7 mil PDF417</td>
<td>120 mm to 225 mm (4.7 in to 8.9 in)</td>
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<tr>
<td>100% UPC</td>
<td>44 mm to 552 mm (1.7 in to 21.7 in)</td>
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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: 30.15 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: ±120 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 more information
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