



Honeywell 8680i - Wearable scanner with display

- ✓ Can be used as back-of-hand or ring scanner
- ✓ Data connection via Bluetooth and optional WLAN
- ✓ Screen in direct line of sight for detailed information
- ✓ Withstands 2,000 falls from 0.5 metres
- ✓ Up to 8000 scans with one battery charge

Features

Readable codes: 1D, 2D

Reading distance: 3 cm - 5.6 m

Rückmeldung: LEDs, Piepser, Vibration

Connectivity: Bluetooth, WLAN

Akku: 3000 Scans / 8 h, 8000 Scans / 10 h

Protection: IP54, drop-proof up to 1.5 m

Operating temperature: -20 - 50 °C

Dimensions: 56 x 81 x 31 mm

Weight: 151 g

Optional accessories

Back of the hand cuff

Trigger ring

Finger loop

4-, 12-fold charging station

4-, 12-fold battery charging station

Slim battery

Extended battery

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.)

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 m (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:

Standard and Advanced Model

Bluetooth: 2.4 GHz to 2.5 GHz (ISM Band) Adaptive Frequency Hopping
Bluetooth v. 5.0: Class 1; 100m (330 ft) line of sight; BLE. NFC communications to simplify pairing

Advanced Model Wi-Fi: Bluetooth as noted plus Wi-Fi 802-11 a/b/g/n/ac, Wi-Fi-r fast roaming, 2.4 and 5 GHz

Security Standards: WPA, WPA2, WEP, WPA2 EAP (TLS, TTLS, PEAP GTC, and PEAP MSCHAPv2)

Connection: Connection, Auto-reconnect, Intra Profile connection (roaming), Hidden and Broadcast SSIDs

Soft Roaming: Simple and learned, across bands (all combinations of 2.4 GHz and 5 GHz), DFS Channels, and 802.11 modes

Opportunistic Key Caching (OKC)

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

GLOVE CHARACTERISTICS:

Strap glove securely locates 8680i on back of hand for optimum dexterity, ergonomics, and user comfort
Highly durable design for long lifespan, reduced consumable costs

Compatible with bare hand or conventional glove for comfort and user safety

One size; highly adjustable at index finger, palm, and wrist
Left- and right-hand versions

GLOVE SPECIFICATIONS

Laundering/Storage: Machine wash cold (rated for 24 cycles), temperatures up to 49°C (120°F); air dry

Trigger: 2.5 MM activation cycles

Glove Attach/Detach: 625 cycles

TYPICAL PERFORMANCE*

SYMBOLGY/ X-DIM	TYPICAL RANGE*
5 mil Code 39	63mm to 294 mm (2.5 to 11.6 in)
10 mil Code 39	33mm to 510mm (1.3 to 20.1 in)
20 mil Code 39	37 mm to 793mm (1.5 to 31.2 in)
100% UPC	37mm to 566cm (1.5 to 22.3 in)
15 mil C128	35mm to 643mm (1.4 to 25.3 in)
10 mil DataMatrix	65mm to 290mm (2.6 to 11.4 in)
6.7 mil PDF417	77mm to 237mm (3 to 9.3 in)
15 mil QR Code	32mm to 407mm (1.3 to 16 in)

*Performance may be impacted by barcode quality and environmental conditions.