

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:

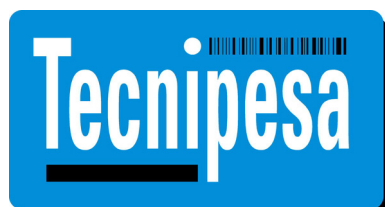
Slim Battery Version: 3,000 over 8-hour shift

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

Expected Charge Time: 4 hours

*Performance may be impacted by barcode quality and environmental conditions

Honeywell



TECNIPESA IDENTIFICACION

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