HONEYWELL 8675i

Rugged Compact Wearable Scanner



The 8675i rugged compact wearable scanner provides ergonomic, high performance scanning. Designed to deliver reliable results in demanding workflows, this productivity tool is ready to perform in real-world applications.

The Honeywell 8675i provides wearable scanning productivity in a compact, ergonomic, and rugged form factor.

The 8675i offers always-at-hand wearable scanning to improve workflow productivity. Premium scanning performance ensures quick work of even damaged or low quality barcodes. FlexRange™ technology provides expanded FlexRange™ scan distance, enabling improved efficiency in workflows that could previously only be solved with bulkier, heavier handheld devices. Smooth, fast reading from near to far ensures that the full range (100% UPC from near contact to 5 ft/1.5 m, 100 mil Code 39 to 33 ft/10 m) has fast, intuitive scanning response. A standard-range only option offers lower acquisition cost for arms-length workflows.

In all aspects of design, the 8675i has been optimized for ergonomics. Height off of the finger has been minimized to prevent interference in the work environment. All user-contact surfaces have been tailored for comfort, easy adjustment, and simple use. The triggered ring is simple to swap from right to left hand configuration, and the finger strap buckle is both easy to operate and low-profile to prevent interference between fingers. The 8675i can be converted from ring to glove instantly and with no tools; the strap glove is simple, minimal, and easily adjustable to cover the range of users. Made of non-absorbent materials, the 8675i scanner and triggered ring wearable accessories are simple to clean with approved disinfectant agents.

The 8675i has been designed to satisfy the needs of demanding workflows. It is multi-shift ready, with an easy-to-replace battery to keep the scanner up and running that also enables the battery to be simply replaced as it ages through normal use, extending the service life of the 8675i. User-facing LEDs communicate Bluetooth connection, battery state of charge and even when battery health requires a replacement.

Robust 2,000 x ½ meter tumble specification ensures that 8675i is ready to endure the frequent knocks that wearable devices in fast-paced environments often experience. IP65 sealing and broad operating temperatures (-20° to 50°C, -4° to 122°F) ensure unconditioned warehouses, frozen environments are no problem for the 8675i. New outdoor aiming guides provide accurate barcode targeting even in full daylight when laser aimers cannot be seen.

FEATURES AND BENEFITS

Improve productivity with premium scanning performance including workflow-enabling FlexRange™ scan distance.

Reduce barriers to adoption with lightweight, comfortable, highly ergonomic form factors.

Satisfy operational challenges with a wearable expressly designed for demanding workflows.

Multi-shift ready, with an easily removable smart battery to improve ROI and maximize device lifespan.

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8675i Rugged Compact Scanner Technical Specifications

MECHANICAL

Dimensions (L x W x H):
65.2 mm x 30.3 mm x 15.2 mm
(2.6 in x 1.2 in x 0.6 in)

Weight:

Triggered Ring with Battery:
8675i-SR 63 g (2.3 oz)
8675i-FR 66 g (2.4 oz)

Scanner Module without Wearable Accessory or Battery:
8675i-SR 50 g (1.8 oz)
8675i-FR 53 g (1.9 oz)

Battery: 19 g (0.8 oz)

Scan Performance:

Scan Pattern:
Omni-directional area imager

Symbol Contrast:
20% minimum reflectance

Pitch: +/-60°

Skew: +/-60°

Motion Tolerance: up to 5.84 m (230 in) per second

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

Illumination: White LED

Aiming: 650 nm high visibility red laser (Class 2)

WIRELESS

Radio Range:

Bluetooth: 2.4 GHz to 2.5 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v5.1 Class 1; 100 m (330 ft) line of sight; BLE. NFC communications for simple tap-to-pair functionality.

Battery: 3.85 V, 570 mAh

Number of Scans:
12,000 over 10 hour shift

Expected Charge Time: 3.5 hours

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:
1.8 m (6 ft): MIL-STD-810 Drop Test at operating temperature

50 x 1.5 m (5 ft): To concrete at operating temperature

Tumble: 2,000 1/2 m (1.6 ft) tumbles per IEC 60068-2-32 specification

Trigger: Rated for 5 million activation cycles

ESD: ±15 kV Air and ±8 kV Direct

Environmental Sealing: Independently certified to meet IP65 standards for moisture and particle intrusion

GLOVE CHARACTERISTICS

Strap glove securely locates 8675i on back of hand for optimum dexterity, ergonomics, and user comfort.

Highly durable design for long lifespan, reduced consumable costs.

Trigger rated for 5 million activation cycles.

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

Left and right hand versions.

WARNING

Extreme caution should be used around moving machinery.

TYPICAL PERFORMANCE

SYMBOLOGY*	STANDARD RANGE (SR) – TYPICAL		FLEXRANGE™ (FR) – TYPICAL	
	Near (mm [in])	Far (mm [in])	Near (mm [in])	Far (mm [in])
5 mil C39	68 [2.68]	299 [11.77]	136 [5.35]	363 [14.29]
6.7 mil PDF417	82 [3.23]	242 [9.53]	-	-
10 mil DataMatrix	70 [2.76]	295 [11.61]	150 [5.91]	385 [15.56]
10 mil C39	38 [1.50]	515 [20.28]	92 [3.62]	1,196 [47.09]
13 mil UPC-A	42 [1.65]	571 [22.48]	66 [2.60]	1,435 [56.50]
15 mil C128	40 [1.57]	648 [25.51]	64 [2.52]	1,569 [61.77]
15 mil QR	37 [1.46]	412 [16.22]	-	-
20 mil C39	42 [1.65]	798 [31.42]	61 [2.40]	2,159 [85.00]
55 mil C39[1]	-	-	-	6,544 [257.64]
100 mil DataMatrix[1]	-	-	-	4,503 [177.28]
100 mil C39[1,2]	-	-	-	9,841 [387.44]

**Performance may be impacted by barcode quality and environmental conditions*
1. Minimum distance depends on the length of the barcode.
2. Wide to narrow ratio 3:1. Minimum code height of 3 inches.

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.

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