8675i Rugged Compact Scanner Technical Specifications

MECHANICAL

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

Weight:

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

Scanner module without wearable accessory or battery:
8675i-SR 50g (1.8 oz)
8675i-FR 53g (1.9 oz)

Scan performance:

Scan Pattern:
Omni-directional area imager

Symbol Contrast:
20% minimum reflectance

Pitch: +/-60°

Skew: +/-60°

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

WIRELESS

Radio Range:

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

Battery: 3.85V, 570mAh

Number of scans:
12,000 over 10 hour shift

Expected charge time: 3.5 hours

Battery Weight: 19 grams (0.8 oz)

ENVIRONMENTAL

Operating Temperature:

8675i-FR:
-20°C to 50°C (-4°F to 122°F)

8675i-SR:
-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:
1.8m(6 ft) Mil-Std-810 Drop Test at operating temperature
50x 1.5m (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 5MM activation cycles

ESD: ±15 kV Air and ±8 kV Direct

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

TYPICAL PERFORMANCE

FLEXRANGE™ – SYMBOLOGY/ X-DIM	TYPICAL RANGE*			
8675i FR	**Near mm**	**Near inches**	**Far mm**	**Far inches**
5 mil C39	136	5.35	363	14.29
10 mil DataMatrix	150	5.91	385	15.16
10 mil C39	92	3.62	1196	47.09
13 mil UPC-A	66	2.60	1435	56.50
15 mil C128	64	2.52	1569	61.77
20 mil C39	61	2.40	2159	85.00
100 mil DataMatrix[1]	-	-	4503	177.28
55 mil C39[1]	-	-	6544	257.64
100 mil C39[1,2]	-	-	9841	387.44
8675i SR	**Near mm**	**Near inches**	**Far mm**	**Far inches**
5 mil C39	68	2.68	299	11.77
10 mil C39	38	1.50	515	20.28
20 mil C39	42	1.65	798	31.42
13 mil UPC-A	42	1.65	571	22.48
15 mil C128	40	1.57	648	25.51
10 mil DataMatrix	70	2.76	295	11.61
6.7 mil PDF417	82	3.23	242	9.53
15 mil QR Code	37	1.46	412	16.22

**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.

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 5MM 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.

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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For more information

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