

# Granit 1911i

## Wireless Industrial-Grade Area-Imaging Scanner

The Granit™ 1911i wireless industrial-grade area-imaging scanner is designed to withstand the varied demands of harsh working environments. Featuring a custom-built housing that redefines the standard for scanner reliability, the IP65-rated Granit 1911i scanner is built to survive 5,000 1 m (3.3 ft) tumbles and 50 drops to concrete from 2 m (6.5 ft), even at -20°C (-4°F). As a result, businesses can expect to experience minimal device downtime and a lower overall cost of ownership.

Powered by Honeywell Adaptus™ 6.0 imaging technology and its revolutionary decoding architecture, the Granit 1911i scanner provides users with the same exceptional barcode reading performance as the best-in-class Xenon™ series area-imaging scanners. From poorly printed and damaged codes to low-density linear codes, the Granit 1911i scanner is built to read virtually all barcodes with ease – supporting maximum operator productivity with its enhanced illumination, crisp laser aiming and extended depth-of-field.

The Granit 1911i scanner also incorporates a Bluetooth® Class 1, v2.1 radio, enabling wireless connectivity and unrestricted movement up to 100 m (300 ft) from the base. Additionally, with the Honeywell Shift-PLUS power management system, users can expect up to 14 hours of battery life, reducing the cost associated with battery backups and replacements. A paging system is also available for added convenience to assist with locating misplaced scanners.

Created specifically for applications in which high-performance scanning is expected and durability is highly valued, the Granit 1911i scanner is the optimal solution for businesses operating in unpredictable conditions.



*The Granit 1911i wireless area-imaging scanner is optimized for demanding, arm's-length scanning of 1D and 2D barcodes, delivering exceptional performance and class-leading durability for harsh industrial environments.*

## FEATURES & BENEFITS



The custom-built IP65-rated housing is able to withstand 5,000 1 m (3.3 ft) tumbles and survive 50 drops from 2 m (6.5 ft) at -20°C (-4°F), reducing service costs and increasing device uptime.



Bluetooth Class 1, v2.1 radio enables movement up to 100 m (300 ft) from the base, and reduces interference with other wireless systems. Up to 7 imagers can communicate with a single base, reducing total cost of ownership.



The second-generation of the Honeywell TotalFreedom™ area-imaging development platform enables the loading and linking of multiple applications to enhance image decoding, data formatting and image processing – eliminating the need for host system modifications.



The long-lasting Lithium-Ion battery powers up to 50,000 scans per full charge and is removable without tools, ensuring maximum uptime for operations running multiple shifts.



With its extended linear depth-of-field, the scanner scans out-of-reach items with ease and allows users to scan 20 mil linear codes out to 75 cm (29.5 in) without sacrificing performance on 2D codes.

# Granit 1911i Technical Specifications

## WIRELESS

**Radio/Range:** 2.4 GHz to 2.5 GHz (ISM Band)  
Adaptive Frequency Hopping; Bluetooth v2.1: Class 1:  
100 m (300 ft) line of sight

**Data Rate (Transmission Rate):** Up to 1 Mbps

**Battery:** 2400 mAh Li-Ion minimum

**Number of Scans:** Up to 50,000 scans per charge

**Expected Hours of Operation:** 14 hours

**Expected Charge Time\*:** 4.5 hours

## MECHANICAL/ELECTRICAL

**Dimensions (L x W x H):**

**Scanner (1911iER-3):** 133 mm x 75 mm x 195 mm  
(5.2 in x 2.9 in x 7.6 in)

**Charger/Communication Base (COB02/CCB02-100BT-07N):** 250 mm x 103 mm x 65 mm  
(9.9 in x 4.1 in x 2.6 in)

**Weight:**

**Scanner:** 390 g (13.8 oz)

**Charger/Communication Base:** 290 g (10.2 oz)

**Operating Power (Charging):**

**Scanner:** N/A

**Charger/Communication Base:** 5 W (1A @ 5 V)

**Non-Charging Power:**

**Scanner:** N/A

**Charger/Communication Base:** 0.6 W  
(0.12A @ 5 V)

**Host System Interfaces:**

**Scanner:** N/A

**Charger/Communication Base:** USB, Keyboard  
Wedge, RS-232 TTL

## ENVIRONMENTAL

**Operating Temperature\*\*:**

**Scanner:** -20°C to 50°C (-4°F to 122°F)

**Charger/Communication Base:** -20°C to 50°C  
(-4°F to 122°F)

**Storage Temperature:**

**Scanner:** -40°C to 70°C (-40°F to 158°F)

**Charger/Communication Base:** -40°C to 70°C  
(-40°F to 158°F)

**Humidity:**

**Scanner:** Up to 95% relative humidity,  
non-condensing

**Charger/Communication Base:** Up to 95% relative  
humidity, non-condensing

**Drop:**

**Scanner:** Designed to withstand 50 2 m (6.5 ft)  
drops to concrete at -20°C (-4°F)

**Charger/Communication Base:** Designed  
to withstand 50 1.2 m (4 ft) drops to concrete  
at -20°C (-4°F)

**Tumble:**

**Scanner:** 5,000 1 m (3.3 ft) tumbles

**Charger/Communication Base:** 5,000 1 m  
(3.3 ft) tumbles

**Environmental Sealing:**

**Scanner:** IP65

**Charger/Communication Base:** IP51

**Light Levels:**

**Scanner:** 0 to 100,000 lux (9,290 foot-candles)

**Charger/Communication Base:** N/A

**ESD:**

**Scanner:** ±20 kV air discharge,  
±8 kV contact discharge

**Charger/Communication Base:** ±20 kV air  
discharge, ±8 kV contact discharge

## SCAN PERFORMANCE

**Scan Pattern:** Area Imager (838 x 640 pixel array)

**Motion Tolerance:** Up to 610 cm/s (240 in/s) at  
16.5 cm (6.5 in) and 381 cm/s (150 in/s) at 25 cm  
(10 in) for 13 mil UPC

**Scan Angle:** ER Focus

**Horizontal:** 31.6°

**Vertical:** 24.4°

**Symbol Contrast:** 20% minimum  
reflectance difference

**Pitch, Skew:** 45°, 65°

**Warranty:** 3-year factory warranty  
(Note: Battery warranty is 1-year.)

\* Battery charging only occurs between 5°C  
and 40°C (41°F to 104°F).

\*\* With industrial-grade cable ordered separately.

SYMBOLGY	TYPICAL PERFORMANCE	
	NARROW WIDTH	EXTENDED RANGE (ER)
CODE 39	7.5 mil	48 mm – 310 mm (1.9 in – 12.2 in)
	20 mil	15 mm – 749 mm (0.6 in – 29.5 in)
	Resolution 1D	5 mil (0.127 mm)
UPC	13 mil	15 mm – 543 mm (0.6 in – 21.4 in)
PDF417	6.7 mil	69 mm – 226 mm (2.7 in – 8.9 in)
DATAMATRIX	10 mil	71 mm – 261 mm (2.8 in – 10.3 in)
	Resolution 2D	7.5 mil (0.191 mm)
QR	20 mil	20 mm – 495 mm (0.8 in – 19.5 in)

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

For a complete listing of all  
compliance approvals and  
certifications, please visit  
[www.honeywellaidc.com/  
compliance](http://www.honeywellaidc.com/compliance).

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