

Granit 1981i

Industrial Full-Range Area-Imaging Scanner

The Granit™ 1981i wireless industrial scanner features full-range area-imaging technology capable of reading both 1D and 2D barcodes from six inches (15 cm) to over 50 feet (15 meters). From poor quality 7.5 mil paper codes scanned at arm's length to 100 mil retro-reflective codes hanging from warehouse rafters, the 1981i is built to read virtually all barcodes across its unmatched range, supporting maximum operator productivity in the harshest environments.

The 1981i is packed with technologies that make it simple to use. An integrated laser pointer aiming system with auto-illumination, omni-directional reading capability, and support for center-decode scanning take the guesswork out of scanning at extended ranges. Operators of fork trucks equipped with vehicle-mounted mobile computers, such as the Honeywell Thor series, will appreciate how the full-range scanning capability of 1981i allows them to remain seated—and hence more productive—while scanning pallets at extended ranges. And with Bluetooth™ technology, complete freedom of movement up to 100 meters (330 feet) provides additional operator convenience.

As a member of the Granit family of scanners, the 1981i is built to withstand the varied demands of harsh working environments. Utilizing the Granit housing that has long set the standard for scanner reliability, the 1981i is rated IP65 and is built to survive 5,000 tumbles from 3.2 feet (one meter) and 50 drops to concrete from 6.5 feet (two meters)—even in temperatures as low as -22°F (-30°C). As a result, operations that deploy Granit scanners can expect to experience minimal device downtime and a lower overall cost of ownership.



Preliminary Specifications
Subject to Change

Features

- **Full-Range Area-Imaging Performance:** Scan virtually all 1D and 2D bar codes from 6 in (15 cm) to over 50 ft (15 m) away.
- **Built Granit Tough:** Tested to withstand the toughest environments, Granit is rated IP65 and can withstand 5,000 tumbles from 3.2 ft (1 m) and 50 drops to concrete from 6.5 ft (2 m).
- **Easy to Use:** A laser-spot aimer, omni-directional scanning, and features such as center-decode take the guesswork out of scanning at extended ranges.
- **Efficient Wireless Performance:** Bluetooth™ wireless technology provides freedom of movement up to 100 meters (330 feet) from base and reduces interference with other wireless systems.
- **Single Scanning Solution:** Can replace and consolidate multiple purpose-built scanners in typical distribution center and warehouse environments.

Granit 1981i Technical Specifications

Wireless

| | |
|--------------------------------------|---|
| Radio/Range | 2.4 to 2.5 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v2.1: Class 1: 100m (330') line of sight |
| Data Rate (Transmission Rate) | Up to 1 Mbps |
| Battery | 2000 mAh Li-ion minimum |

| Mechanical / Electrical | Scanner (1981iFR-3) | Charger/Communication Base (CCB05-100BT-07N) |
|-----------------------------------|--|---|
| Dimensions (LxWxH) | 133 mm x 75 mm x 195 mm (5.2" x 2.9" x 7.6") | 250 mm x 103 mm x 65mm (9.9" x 4.1" x 2.6") |
| Operating Power (Charging) | N/A | 5 W (1A @ 5V) |
| Non-Charging Power | N/A | 0.6 W (0.12A @ 5 V) |
| Host System Interfaces | N/A | USB, Keyboard Wedge, RS232 TTL |

| Environmental | Scanner (1981iFR-3) | Charger/Communication Base (CCB05-100BT-07N) |
|---|--|---|
| Operating Temperature | -20°C to 50°C (-4°F to 122°F) | -20°C to 50°C (-4°F to 122°F) |
| Storage Temperature with battery | -40°C to 70°C (-40°F to 158°F) | -40°C to 70°C (-40°F to 158°F) |
| Humidity | 0 to 95% relative humidity, non-condensing | 0 to 95% relative humidity, non-condensing |
| Drop | Designed to withstand 50.2 m (6.5') drops to concrete at -20°C | Designed to withstand 50.12 m (4') drops to concrete at -20°C |
| Tumble | 5,000 1m (40') tumbles | 5,000 1m (40') tumbles |
| Environmental Sealing | IP65 | IP51 |
| Light Levels | 0 to 100,000 lux (9,290 foot-candles) | N/A |
| ESD | ±20Kv air discharge, ±8kV contact discharge | ±20Kv air discharge, ±8kV contact discharge |

Scan Performance

| | |
|------------------------|--|
| Scan Pattern | Area Image |
| Scan Angle | Horizontal TBD; Vertical TBD |
| Symbol Contrast | TBD minimum reflectance difference |
| Warranty | 3 year factory warranty (Note: battery warranty is 1 year) |

Refer to the Honeywell Scanning & Mobility Compliance Center (www.honeywellaidc.com/compliance) to review and download any publicly available documentation pertaining to the certification of this product in a given country.

Refer to the Honeywell Scanning & Mobility Supported Symbolologies Datasheet (www.honeywellaidc.com/symbolologies) for a complete listing of all supported bar code symbolologies.

Specifications are subject to change without notice.

Preliminary Specifications
Subject to Change

For more information:

www.honeywellaidc.com

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