

# 3820

## Wireless Linear-Imaging Scanner

The 3820 combines exclusive Adaptus® Imaging Technology 5.0 with Bluetooth® wireless connectivity to provide class-leading performance and durability for retail and commercial wireless bar code reading.

In applications where operators must move about to read bar codes, cables become a limiting factor. They cause inefficiencies or safety and ergonomic concerns. Cable length often limits working range, resulting in an object being moved to the reader because the reader can't be taken to the object. With wireless bar code reading, operators have freedom of movement required to quickly, safely, and ergonomically read bar code data. With a 33 foot (10m) working range and 24 inch (61cm) read-range, the 3820 has the right combination of performance and features.

Having the right performance is only part of the solution; staying in service is just as important. The 3820 also has class-leading durability. It was designed to survive in real world mobile applications. Honeywell is committed to creating some of the most rugged products available, and the 3820 is another example of that commitment. With no moving parts and a robust housing design, the 3820 will easily provide years of service in retail and commercial environments, creating a favorable total cost of ownership.



#### **Features**

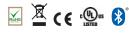
- Superior Read Range: Imaging technology now extends the read range out to 24" (610 mm) on the bar codes used in retail applications
- Fast and Aggressive Decode: Even on poorly printed or damaged codes, the 270 scans per second scan rate and software digitizer quickly processes the data and transmits it to your application
- Wireless Connectivity: Bluetooth v2.0 radio enables movement up to 33 feet (10 m) from the base, and reduces interference with other wireless systems—up to seven imagers can communicate to 1 base, reducing the total cost of ownership
- Battery: A long-lasting, field-replaceable, high-capacity lithium ion battery provides up to 57,000 scans per full charge with no conditioning required
- Optional FIPS 140-2 Certified Encryption: Federal Information Processing Standards (FIPS) certified for wireless data transmission, meeting advanced US Government security requirements, and providing enhanced security in any application involving sensitive data

- Durable: Honeywell's solid state, no-moving-parts imager design withstands more than fifty six foot (1.8m) drops to concrete
- Unique Base Design offers the following features:
  - A minimal footprint that is smaller than major competitors', simplifying installation and leaving more counter space for customer service or other application needs
  - Presentation scanning with a docked imager for efficient, hands-free bar code reading
  - Host-powered interface and RF link—an exclusive Honeywell feature that extends the mobile capabilities of the 3820 by drawing power from a portable device for radio and host communications

### **3820 Technical Specifications**

Radio/Range         2.4 to 2.5 GHz (ISM Band) Frequency - Hopping Bluetooth v2.0; Class 2: 10 m (33) line of sight           Data Rate (Transmission Rate)         3 Mbit/s (2.1 Mbit/s)           Battery         1800 mAh Li-ion           Number of Scans         up to 57,000 scans per charge           Expected Hours of Operation         16 hours           Expected Charge Time         4 hours           Mochanical/Electrical         Scanner         Base           Dimensions (LxWxH)         165 mm x 81 mm x 157 mm (6.5* x 3.2* x 6.2*)         140 mm x 110 mm x 81 mm (5.5* x 4.3* x 3.2*)           Weight         261 g (9.2 oz)         250 g (8.8 oz)           Operating Power (Charging)         N/A         9.9 W (625 mA @ 12 V)           Non-Charging Power         N/A         625 mW (125 mA @ 5 V); 1.2 W (100 mA @ 12 V)           Host System Interfaces         USB, TTL level RS232, Keyboard Wedge, IBM 46xx (RS485), Light Pen (Wand) Emulation           Environmental         O'C to 50°C (32°F to 122°F)         0°C to 50°C (32°F to 122°F)           Storage Temperature         40°C to 60°C (-40°F to 140°F)         40°C to 60°C (-40°F to 140°F)           Humidity         0% to 95% relative humidity, non-condensing         0% to 95% relative humidity, non-condensing           Drop         Designed to withstand 1.8 m (6°) drops         Designed to withstand 1.0 m (3.3°) drops <tr< th=""><th></th><th></th><th></th></tr<>						
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Battery         1800 mAh Li-ion           Number of Scans         up to 57,000 scans per charge           Expected Hours of Operation         16 hours           Expected Charge Time         4 hours           Ject Edition	Radio/Range	2.4 to 2.5 GHz (ISM Band) Frequency - Hopping Bluet	2.4 to 2.5 GHz (ISM Band) Frequency - Hopping Bluetooth v2.0; Class 2: 10 m (33') line of sight			
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Warranty 3 year factory warranty (Note: battery warranty is 1 year)	Decode Capabilities	Reads standard 1D and GS1 Databar symbologies.				
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For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies



#### For more information:

www.honeywellaidc.com

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Honeywell	Scanning	&	Mobility

9680 Old Bailes Road Fort Mill, SC 29707 800.582.4263 www.honeywell.com

