

Voyager 1452g

Upgradeable Area-Imaging Wireless Scanner

Across many industries, 2D bar coding is becoming the new standard. Not only is it possible to hold much more data in a 2D code, but government regulations and supplier mandates are requiring their adoption. Enterprises are also looking to leverage emerging trends that require area-imaging technology—today or in the near future—without the need to purchase additional scanning hardware, or settle for reduced scanning performance.

The Voyager 1452g allows enterprises to embrace area-imaging at their own pace, and in the most cost-effective manner. Built on the platform of Honeywell's world-renowned Voyager series of handheld scanners, the Voyager 1452g delivers omnidirectional reading of linear bar codes, plus the ability to affordably upgrade the device to enable 2D bar code scanning—either at the time of purchase, or as data capture needs evolve.

Incorporating a Bluetooth® Class 2 radio, the Voyager 1452g has a wireless range of up to 10 meters (33 feet) from the base, enabling maximum operator freedom while eliminating the hassle and trip-hazard of a tethered cable. For added convenience, an included paging system helps locate misplaced scanners with visual and auditory signals.

The Voyager 1452g offers an exceptional value for enterprises that require the versatility of area-imaging technology today or may need it in the future. Produced by a company with decades of experience in engineering quality data capture solutions, Honeywell's Voyager 1452g wireless area-imaging scanner is a smart—and scalable—investment.



Features

- **Bluetooth Wireless Technology:** Facilitates scanning of all standard 1D, PDF, and 2D bar codes up to 10 meters (33 feet) from the base (depending on the environment).
- **Go Beyond 1D Codes:** Unlike traditional laser scanners, the 1D version of Voyager 1452g can read bar codes omni-directionally, making it ideal for presentation scanning.
- **Future Proof:** For those who only require 1D scanning now but anticipate 2D scanning in the future, the Voyager 1452g can be affordably upgraded from 1D to 2D scanning at any time.
- **Mobile Phone Reading:** Scans coupons, mobile tickets and digital wallets from the screens of mobile devices.
- **Long Battery Life & Tool-Free Battery Removal:** Field-replaceable lithium ion battery provides 14 hours or more of use, depending on scanning volume.
- **Flexible Licensing Solution:** Meets diverse scanning requirements by offering models with basic functionality, with software licenses enabling additional functionality as needs evolve.

Voyager 1452g Technical Specifications

Wireless

Radio/Range	2.4 to 2.5 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v2.1 Class 2: 10m (33') line of sight
Data Rate (Transmission Rate)	Up to 1 Mbps
Battery	2,400 mAh lithium-ion battery
Number of Scans	Up to 40,000 scans per charge
Expected Hours of Operation	14 hours
Expected Charge Time	4.5 hours

Mechanical/Electrical

Scanner (1452g)

Charger/Communication Base (CCB01-010BT-V7N)

Dimensions (LxWxH)	62 mm x 173 mm x 82 mm (2.5" x 6.8" x 3.2")	132 mm x 102 mm x 81mm (5.2" x 4.0" x 3.2")
Weight	210 g (7.4 oz)	179 g (6.3 oz)
Operating Power (Charging)	N/A	5 W (1A @ 5V)
Non-Charging Power	N/A	0.5 W (0.1A @ 5 V)
Host System Interfaces	N/A	USB, Keyboard Wedge, RS232 TTL, IBM 46xx (RS485)

Environmental

Scanner (1452g)

Charger/Communication Base (CCB01-010BT-V7N)

Operating Temperature	Charging: 5°C to 40°C (41°F to 104°F) Non-Charging: 0°C to 50°C (23°F to 122°F)	Charging: 5°C to 40°C (41°F to 104°F) Non-Charging: 0°C to 50°C (32°F to 122°F)
Storage Temperature with Battery	For storage up to 90 days: -20°C to 35°C (-4°F to 95°F) For storage up to 1 year: -20°C to 20°C (-4°F to 68°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 30 1.5 m (5') drops to concrete	Designed to withstand 50 1.0 m (3.3') drops to concrete
Environmental Sealing	IP42	IP41
Light Levels	0 to 100,000 lux (9,290 foot-candles)	N/A

Scan Performance

Scan Pattern	Area Image (640 x 480 pixel array)
Motion Tolerance	Up to 10 cm/s (4 in/s) for 13 mil UPC at optimal focus
Scan Angle	Horizontal 37.8°; Vertical 28.9°
Symbol Contrast	35% minimum reflectance difference
Pitch, Skew	±60°, ±70°
Decode Capability	1452g1D: All standard 1D symbologies 1452g2D: All standard 1D, PDF417, and 2D symbologies
Warranty	3 year factory warranty

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 Symbologies Datasheet (www.honeywellaidc.com/symbologies) for a complete listing of all supported bar code symbologies.

Specifications are subject to change without notice.

Typical Performance*	
Narrow Width	Depth of Field
5 mil Code 39	45 – 107 mm (1.8 – 4.2")
13 mil UPC	37 – 260 mm (1.4 – 10.2")
20 mil Code 39	42 – 360 mm (1.6 – 14.2")
6.7 mil PDF417	42 – 107 mm (1.6 – 4.2")
10 mil DM**	42 – 107 mm (1.6 – 4.2")
20 mil QR	32 – 210 mm (1.2 – 8.3")
* Performance may be impacted by bar code quality and environmental condition	
** Data Matrix (DM)	

For more information:

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