

# 4600g

## General Purpose Area-Imaging Scanner

The 4600g combines the right blend of performance and durability for a wide variety of applications that benefit from the power and versatility of an area-imaging solution.

Powered by Adaptus® Imaging Technology 5.0, the 4600g delivers high-performance, omnidirectional linear and 2D bar code reading plus the versatility of digital image capture. With Adaptus 5.0, users can scan bar codes, take digital pictures, paperlessly capture signatures and more—enabling them to be more productive and reducing your need to invest in multiple devices.

Featuring a solid-state design and backed by a five-year warranty, the 4600g is built to deliver years of reliable, hassle-free use while a lightweight, ergonomic design ensures comfort and ease of use for your operators.



## Features

- **General Purpose Reader:** Single device covering the broadest range of customer applications
- **High Performance and Versatile Data Collection:** Adaptus Imaging Technology 5.0 provides aggressive, omnidirectional reading of all linear and 2D bar codes, plus enables digital image capture
- **Advanced Illumination Technology:** Enhances performance and ease of use by delivering snappier scanning and minimizing reflection from shiny items
- **Durable and Reliable:** Built to last with no moving parts to wear out—full impact-resistant bumpers and a five-year warranty make the 4600g one of the toughest scanners on the market
- **Ease of Connectivity:** All popular interfaces are on board, plus Visual Express™ software that supports Unified POS (UPOS) standard and Windows® Embedded for Point of Service (WEPOS) for retail connectivity
- **Specialization Options:**
  - **Disinfectant-Ready Housing:** Optimal for environments where scanner must be cleaned frequently with harsh chemicals

# 4600g Technical Specifications

## Operational

Light Source	Visible Red LED 617 nm ± 30 nm; Aiming: Visible Green LED 526 nm ± 30 nm
Visual Indicators	Green = good read
Host System Interfaces	USB, TTL level RS232, Keyboard Wedge, IBM 46xx (RS485), Light Pen (Wand) Emulation

## Mechanical/Electrical

Dimensions (LxWxH)	135 mm x 81 mm x 157 mm (5.3" x 3.2" x 6.2")
Weight	184 g (6.5 oz)

## Electrical

Input Voltage	4.0 - 14 VDC
Operating Power	1.9 W (382 mA @ 5 V)
Standby Power	160 mW (53 mA @ 5 V)
DC Transformers	Class 2: 5 VDC @ 2.4 A
Laser/LED Safety	Class 1: IEC60825-1, EN60825-1
EMC	FCC Part 15, ICES-003, EN55022 Class A

## Environmental

Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	0% to 95% relative humidity, non-condensing
Drop	Designed to withstand 50 drops from 1.8 m (6')
Environmental Sealing	IP41
Light Levels	100,000 Lux

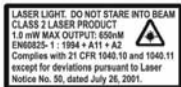
## Scan Performance

Scan Pattern	Area Image (VGA: 752 x 480)
Motion Tolerance	Standard: 10 cm/s (4 in/s); Streaming Presentation: 50 cm/s (20 in/s) with 13 mil UPC at optimal focus
Scan Angle	Horizontal: 42°; Vertical: 27°
Print Contrast	20% minimum reflectance difference
Pitch, Skew	40°, 40°
Decode Capabilities	Reads standard 1D, stacked, 2D and postal symbologies; limited OCR font reading Visit <a href="http://www.honeywell.com/aidc/symbologies">www.honeywell.com/aidc/symbologies</a> for details.

Typical Performance* (HD)	
Narrow Width	Depth of Field
5 mil	48 mm - 97 mm (1.9" - 3.8")
13 mil UPC	41 mm - 157 mm (1.6" - 6.2")
6.6 mil PDF	41 mm - 114 mm (1.6" - 4.5")
6.7 mil DM	61 mm - 89 mm (2.4" - 3.5")
6.7 mil QR	58 mm - 86 mm (2.3" - 3.4")
*Resolution: 5 mil (0.127 mm) *Performance may be impacted by bar code quality and environmental conditions	

Typical Performance* (SF)	
Narrow Width	Depth of Field
5 mil	79 mm - 94 mm (3.1" - 3.7")
13 mil UPC	38 mm - 213 mm (1.5" - 8.4")
6.6 mil PDF	58 mm - 140 mm (2.3" - 5.5")
15 mil DM	33 mm - 178 mm (1.3" - 7.0")
15 mil QR	43 mm - 170 mm (1.7" - 6.7")
*Resolution: 5 mil (0.127 mm) *Performance may be impacted by bar code quality and environmental conditions	

Typical Performance* (SR)	
Narrow Width	Depth of Field
8.3 mil	76 mm - 180 mm (3.0" - 7.1")
13 mil UPC	41 mm - 323 mm (1.6" - 12.7")
6.6 mil PDF	102 mm - 145 mm (4.0" - 5.7")
15 mil PDF	46 mm - 246 mm (1.8" - 9.7")
35 mil MC	38 mm - 318 mm (1.5" - 12.5")
*Resolution: 8.3 mil (0.211 mm) *Performance may be impacted by bar code quality and environmental conditions	



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