

## 4600g

### General Purpose 2D Imager

The 4600g combines the right blend of performance and durability for a wide variety of applications that benefit from the power and versatility of a 2D imaging solution.

Powered by Adaptus® Imaging Technology 5.0, the 4600g delivers high-performance, omni-directional linear and 2D barcode reading plus the versatility of digital image capture. With Adaptus 5.0, users can scan barcodes, 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 5-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, omni-directional reading of all linear and 2D barcodes, 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 5 year warranty make the 4600g one of the toughest scanners on the market.
- **Ease of Connectivity:** All popular interfaces are on board. Includes Visual Express™ software for ease-of-integration. Supports Unified POS standard and Windows® Embedded for Point of Service, for retail connectivity.

# 4600g Specifications

## Performance

<b>Illumination LEDs:</b>	617nm ±30nm
<b>Aiming:</b>	526nm ±30nm
<b>Image:</b>	VGA, 752x480. Binary, TIFF, or JPEG output.
<b>Working Range:</b>	

4600gSR	8.3 mil Linear (.021cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	15 mil PDF417 (.038cm)	35 mil MaxiCode (.089cm)
<b>Near</b>	3.0 in. (7.6cm)	1.6 in. (4.1cm)	4.0 in. (10.2cm)	2.6 in. (6.6cm)	1.8 in. (4.6cm)	1.5 in. (3.8cm)
<b>Far</b>	7.1 in. (18.0cm)	12.7 in. (32.3cm)	5.7 in. (14.5cm)	8.5 in. (21.6cm)	9.7 in. (24.6cm)	12.5 in. (31.8cm)
4600gSF	7.5 mil Linear (.019cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	15 mil Data Matrix (.038cm)	15 mil QR Code (.038cm)
<b>Near</b>	2.0 in. (5.1cm)	1.5 in. (3.8cm)	2.3 in. (5.8cm)	1.7 in. (4.3cm)	1.3 in. (3.3cm)	1.7 in. (4.3cm)
<b>Far</b>	6.0 in. (15.2cm)	8.4 in. (21.3cm)	5.5 in. (14.0cm)	7.1 in. (18.0cm)	7.0 in. (17.8cm)	6.7 in. (17.0cm)
4600gHD	5 mil Code 39 (.013cm)	6 mil Code 39 (.015cm)	13 mil 100% UPC-EAN (.033cm)	6.6 mil PDF417 (.017cm)	6.7 mil Data Matrix (.017cm)	6.7 mil QR Code (.017cm)
<b>Near</b>	1.9 in. (4.8cm)	1.7 in. (4.3cm)	1.6 in. (4.1cm)	1.6 in. (4.1cm)	2.4 in. (6.1cm)	2.3 in. (5.8cm)
<b>Far</b>	3.8 in. (9.7cm)	4.2 in. (10.7cm)	6.2 in. (15.7cm)	4.5 in. (11.4cm)	3.5 in. (8.9cm)	3.4 in. (8.6cm)

<b>Skew Angle:</b>	±40°
<b>Pitch Angle:</b>	±40°
<b>Motion Tolerance:</b>	Standard: 4 in. (10 cm) per second Streaming Presentation™ Mode SF: 20 in. (50 cm) per second on 100% UPC/EAN at the plane of optimum focus

## Mechanical/Electrical

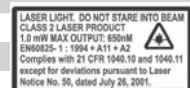
<b>Length:</b>	5.3 in. (13.5 cm)						
<b>Height:</b>	6.2 in. (15.7 cm)						
<b>Width:</b>	3.2 in. (8.1 cm)						
<b>Weight:</b>	6.5 oz. (184.3 g)						
<b>Housing:</b>	UL 94V0 grade						
<b>Power Requirements:</b>	4.0 - 14VDC at imager						
<b>Current Draw (Typical)</b>	<table> <tr> <td><u>Input</u></td> <td><u>Scanning</u></td> <td><u>Idle</u></td> </tr> <tr> <td>5 V</td> <td>382mA</td> <td>53mA</td> </tr> </table>	<u>Input</u>	<u>Scanning</u>	<u>Idle</u>	5 V	382mA	53mA
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5 V	382mA	53mA					

## Power Supply

<b>Noise Rejection:</b>	Maximum 100mV peak to peak, 10 to 100 kHz
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## Environmental

<b>Sealing:</b>	IP41 (Water and Dust Resistant)
<b>Operating Temperature:</b>	32°F to +122°F (0°C to +50°C)
<b>Storage Temperature:</b>	-40°F to 158°F (-40°C to +70°C)
<b>Humidity:</b>	0 to 95%, non-condensing
<b>Mechanical Shock:</b>	Operational after 50 drops from 6 ft. (1.8 m) to concrete
<b>Ambient Light:</b>	0 to 100,000 lux (full sunlight)
<b>ESD Protection:</b>	Functional after 100 discharges at 15kV
<b>Vibration:</b>	Withstands 5G peak from 22 to 300 Hz



<b>Agency:</b>	<b>International:</b> CB scheme to IEC60950-1 & IEC60825-1 Class 1 LED. <b>USA:</b> FCC Part 15 subpart B Class A. UL listed to 60950-1. <b>Canada:</b> ICES-003 Class A. cUL listed to CSA C22.2 No. 60950-1-03. <b>Europe:</b> CE 2004/108/EC EMC Directive to EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3. 2006/95/EC Low Voltage Directive. <b>GS Mark:</b> GS marked for I.T.E. safety. <b>Australia/NZ:</b> C-Tick mark.
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<b>Laser Classification:</b>	<b>Laser Aimer Model only:</b> Class 2 Laser IEC60825-1. Complies with 21 CFR 1040.10 and 1040.11 with Laser Notice No. 50. 1mW max output, 650 nm
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<b>MTBF:</b>	per MIL-HDBK-217F Ground Benign exceeds 70,000 hours
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## Symbologies

<b>2 Dimensional:</b>	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and EAN•UCC Composite
<b>Linear:</b>	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC, EAN, RSS, Codablock F, BC412*, and ISBT 128 Concatenation* *available to licensed users
<b>Postal (SR/SF Only):</b>	Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands) Post
<b>OCR Fonts (SR/SF Only):</b>	OCR-A, OCR-B
<b>Interfaces:</b>	All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, USB, TTL level RS-232, wand emulation (primary interface only) mode, TTL level Serial Wedge, and IBM 46XX retail terminals.
<b>Warranty:</b>	5 years

## Automation and Control Solutions

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