

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.

Specialization Options

- **Disinfectant-Ready Housing:** Optimal for environments where scanner must be cleaned frequently with harsh chemicals. (See reverse for listing of approved cleaners)

4600g Specifications

Performance

Illumination LEDs:	617nm ±30nm
Aiming:	526nm ±30nm
Image:	VGA, 752x480. Binary, TIFF, or JPEG output.

Working Range:

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)
Near	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)
Far	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)
Near	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. (4.3 cm)
Far	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)
Near	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)
Far	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)

Skew Angle:	±40°
Pitch Angle:	±40°
Motion Tolerance:	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

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

Power Supply

Noise Rejection:	Maximum 100mV peak to peak, 10 to 100 kHz
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Environmental

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



Agency:	International: CB scheme to IEC60950-1 & IEC60825-1 Class 1 LED. USA: FCC Part 15 subpart B Class A. UL listed to 60950-1. Canada: ICES-003 Class A. cUL listed to CSA C22.2 No. 60950-1-03. Europe: CE 2004/108/EC EMC Directive to EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3. 2006/95/EC Low Voltage Directive. GS Mark: GS marked for I.T.E. safety. Australia/NZ: C-Tick mark.
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Laser Classification:	Laser Aimer Model only: 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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MTBF:	per MIL-HDBK-217F Ground Benign exceeds 70,000 hours
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Cleaners Approved for Use with Disinfectant-Ready Housing:	Sani-Cloth® HB, Sani-Cloth® Plus, CaviWipes™, Virex® 256, 409® Glass and Surface Cleaner, Windex® Blue, Clorox® Bleach (100%)
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Symbologies

2 Dimensional:	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and EAN•UCC Composite
Linear:	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
Postal (SR/SF Only):	Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands) Post
OCR Fonts (SR/SF Only):	OCR-A, OCR-B
Interfaces:	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.
Warranty:	5 years

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