

Specifications

Physical Characteristics

Dimensions	Corded DS4608: 6.5 in H x 2.6 in W x 3.9 in D 16.5cm H x 6.7cm W x 9.8cm D Cordless DS4678: 6.6 in H x 2.6 in W x 4.2 in D 16.8cm H x 6.6cm W x 10.7cm D Standard Cradle: 2.8 in H x 3.3 in W x 8.3 in D 7.1cm H x 8.4cm W x 21.1cm D Presentation Cradle: 2.8 in H x 3.3 in W x 8.3 in D 7.1cm H x 8.4cm W x 21.1cm D
Weight	Corded: 5.7 oz (161.9g) Cordless: 7.9 oz (225g) Standard Cradle: 7.1 oz (201.3g) Presentation Cradle: 6.5 oz (184.3g)
Input Voltage Range	Corded: 4.5 to 5.5 VDC Host Powered; 4.5 to 5.5 VDC External Power Supply Standard/Presentation Cradle: 4.7 to 5.5 VDC Host Powered; 10.8 to 13.2 VDC External Power Supply
Operating Current at Nominal Voltage (5.0V)	Corded: 340 mA (typical) Standard/Presentation Cradle: 470 mA (typical) Standard USB: 743mA (typical) 12V
Standby Current (Idle) at Nominal Voltage (5.0V)	Corded: 150 mA (typical)
Color	Nova White (corded only), Twilight Black
Supported Host Interfaces	USB Certified, RS232, Keyboard Wedge, TGCS (IBM) 46XX over RS485
Keyboard Support	Supports over 90 international keyboards
TAA Compliance	Trade Agreement Act Compliant
Electronic Article Surveillance	Compatible with Checkpoint EAS deactivation system
User Indicators	Direct Decode Indicator, Good Decode LEDs, Rear view LEDs, Beeper (adjustable tone and volume)

Performance Characteristics

Light Source	Aiming Pattern: circular 617nm amber LED
Illumination	(2) 660nm red LEDs
Imager Field of View	31.6° H x 22.6° V nominal
Image Sensor	1280 x 800 pixels
Minimum Print Contrast	15% minimum reflective difference
Skew/Pitch/Roll Tolerance	+/- 60°, +/- 60°, 0°–360°

Imaging Characteristics

Graphics Format Support	Images can be exported as Bitmap, JPEG or TIFF
Image Quality	96PPI on an A4 document (DS4600-SR)

Utilities and Maintenance

123Scan	Programs scanner parameters, upgrades firmware, provides scanned barcode data and prints reports. www.zebra.com/123Scan
Scanner SDK	Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code. www.zebra.com/windowssdk
Scanner Management Service (SMS)	Remotely manages your Zebra scanner and queries its asset information. www.zebra.com/sms

Regulatory

Environmental	2011/65/EU and EN 50581:2012 and EN IEC 63000:2018
Electrical Safety	UL 60950-1, second edition, CAN/CSA-C22.2 No. 60950-1-07, EN 60950-1:2006/A2:2013 IEC 60950-1:2005/A2:2013 IEC 62368-1 (ed.2); EN 62368-1:2014
LED Safety	IEC 62471:2006 (Ed.1.0); EN 62471:2008
EMI/RFI	FCC: 47 CFR Part 15, Subpart B, Class B; ICES-003 Issue 6, Class B; EN 55032, Class B; EN 55024 EN 55035; EN 60601-1-2:2015, IEC 60601-1-2:2014

Accessories

Gooseneck Intellistand, Cup, Standard Cradle, Presentation Cradle

DS4600-SR/DL Decode Ranges (Typical)⁴

Symbology/Resolution	Near/Far
Code 39: 3 mil	2.2 in to 5.4 in (5.6cm to 13.7cm)
Code 39: 5 mil	0.7 in to 11.0 in (1.8cm to 27.9cm)
Code 39: 20 mil	0 in to 44.0 in (0cm to 111.8cm)
Code 128: 5 mil	2.7 in to 5.4 in (6.9cm to 13.7cm)
PDF 417: 6.7 mil	1.3 in to 10.0 in (3.3cm to 25.4cm)
UPC: 13 mil (100%)	0 in to 28.0 in (0cm to 71.1cm)
DataMatrix: 10 mil	1.0 in to 11.5 in (2.5cm to 29.2cm)
QR: 20 mil	0 in to 17.5 in (0cm to 44.5cm)

DS4600-HD/HL Decode Ranges (Typical)⁴DS4600-HD/HL Decode Ranges (Typical)⁴

Symbology/Resolution	Near/Far
Code 39: 3 mil	1.3 in to 6.0 in (3.3cm to 15.2cm)
Code 39: 5 mil	0.1 in to 11.5 in (0.3cm to 29.2cm)

Markets and Applications

Retail

- Checkout scanning
- Mobile scanning: eCouponing/loyalty
- DL parsing: age verification, loyalty and credit applications
- Auxiliary handheld scanning to bioptic scanner in high-volume checkout lanes
- Cigarette and liquor tax verification
- Checkpoint EAS
- OCR/Passport reading
- Receiving
- Inventory
- Drive-thru

Hospitality

- Event/admission ticketing