

LI3678



As a member of the Zebra 3600 Ultra-Rugged Series of scanners, the practically indestructible 1D LI3608-SR corded and LI3678-SR cordless scanners are ready for the world’s toughest environments — the warehouse and manufacturing floor. Loaded with features that deliver truly unstoppable performance, the LI3608-SR and LI3678-SR redefine scanner reliability and management simplicity. The result? The dependable, fast and accurate scanning you need to take the quality of your products and your customer service to the next level.

Rating: Not Rated Yet  
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Description

In addition to superior scanning performance, an ultra-rugged design and unparalleled manageability, you get more features that make this scanner easier than ever for your workers to use, including the crispest aiming pattern for first-time accurate capture of barcodes on pick lists; mix-and-match feedback modes so workers can see, hear or feel successful scans; an extreme temperature rating for freezer use and more.

Physical Characteristics

Dimensions	Corded: 7.3 in. H x 3.0 in. W x 5.2 in. D 18.5 cm H x 7.6 cm W x 13.2 cm D Cordless: 7.3 in. H x 3.0 in. W x 5.6 in. D 18.5 cm H x 7.7 cm W x 14.2 cm D
Weight	Corded: 10.1 oz./287 g Cordless: 13.6 oz./386.5 g
Input Voltage Range	Host powered: 4.5 VDC min., 5.5 VDC max. External power supply: 11.4 VDC min., 12.6 VDC max.
Operating Current	LI3608 (corded): 170 mA (RMS typical)
Standby Current	LI3608 (corded): 40 mA (RMS typical)
Color	Industrial Green
Supported Host Interfaces	USB, RS232, Keyboard Wedge Industrial Ethernet: EtherNet/IP, Profinet, Modbus TCP & Std TCP/IP

<b>Battery</b>	PowerPrecision+ 3100 mAh Li-Ion rechargeable battery
<b>User Indicators</b>	Direct decode indicator; LEDs; beeper; vibration

## Performance Characteristics

<b>Scans per Full Charge</b>	140,000+
<b>Illumination</b>	Two (2) 617nm Amber LEDs
<b>Aimer</b>	655 nm laser
<b>Imager Field of View</b>	35°
<b>Image Sensor</b>	1,500 pixels
<b>Minimum Print Contrast</b>	15% minimum reflective difference
<b>Types Skew/Pitch/Roll</b>	Skew: ± 65° Pitch: ± 65° Roll: ± 45°

## User Environment

<b>Operating Temp.</b>	Corded: -22° F to 122° F/-30° C to 50° C Cordless: -4° F to 122° F/-20° C to 50° C
<b>Storage Temp.</b>	-40° F to 158° F/-40° C to 70° C
<b>Humidity</b>	5% to 95% non-condensing
<b>Drop Specification</b>	LI36X8: Withstands multiple 10.0 ft/3.0 m drops to concrete at room temperature LI3678: Withstands multiple 8.0 ft/2.4 m drops to concrete at -20° C to 50° C LI3608: Withstands multiple 8.0 ft/2.4 m drops to concrete at -30° C to 50° C
<b>Tumble Specification</b>	7500 3.3 ft./1.0 m tumbles
<b>Sealing</b>	Scanner: IP65 and IP68 per applicable IEC sealing specifications FLB cradle: IP65
<b>ESD</b>	Per EN61000-4-2, ±25 KV air discharge, ±10 KV direct discharge, ±10 KV indirect discharge
<b>Ambient Light Immunity</b>	0 to 10,037 Foot Candles/0 to 108,000 Lux (direct sunlight)

## Decode Ranges (Typical)<sup>3</sup>

<b>Symbology/Resolution</b>	<b>Near/Far</b>
<b>Code 39: 4 mil</b>	4.0-10.0 in./10.2-25.4 cm
<b>Code 39: 7.5 mil</b>	1.5-19.0 in./3.8-48.3 cm
<b>UPC: 13 mil (100%)</b>	1.0-31.0 in./2.5-78.7 cm
<b>Code 39: 20 mil</b>	1.0-42.0 in./0-106.7 cm

## Regulatory

<b>Environmental</b>	RoHS EN 50581: 2012
<b>Electrical Safety</b>	EU Safety: EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + AC 2011 + A2: 2013; International Safety: IEC 60950-1: 2005 + A1: 2009 + A2: 2013 US/Canada Safety: UL 60950-1, second edition, CAN/CSA-C22.2 No. 60950-1-07
<b>LED Safety</b>	International LED Safety: IEC 62471: 2006 (Ed.1.0); EN 62471: 2008 (LED)
<b>EMI/RFI</b>	IT Emissions: EN 55022: 2010/AC: 2011 (Class B); IT Immunity: EN 55024: 2010; Heavy Industrial: EN 61000-6-2: 2005/AC:2005; Harmonic Current Emissions: EN 61000-3-2: 2006 + A1: 2009 + A2: 2009 (Class B); Voltage Fluctuation and Flicker: EN 61000-3-3: 2013; Medical Electrical Equipment: EN 60601-1-2: 2007/AC: 2010, IEC 60601-1-2: 2007 (Modified); Radio Frequency Devices: 47 CFR Part 15, Subpart B, Class B Digital Apparatus: ICES-003 Issue 5, Class B

## Wireless Connectivity

<b>Bluetooth Radio</b>	Bluetooth Class 1, Version 4.0 (LE), serial port (SPP)and HID profiles
<b>Data Rate</b>	3 Mbit/s (2.1 Mbit/s) for Classic Bluetooth 1 Mbit/s (0.27 Mbit/s) for Low Energy
<b>Radio Range</b>	Direct line of sight in open air: Class 1: Minimum 300 ft. (100.0 m); Class 2: Minimum 30 ft. (10.0 m)