



# ZEBRA LI4278

## GENERAL PURPOSE CORDLESS LINEAR IMAGER

### THE NEXT GENERATION IN 1-D SCANNING

The LI4278 takes 1-D bar code scanning to the next level, allowing workers to scan faster and farther. Workers can capture virtually any 1-D bar code including the typical bar codes that are printed on paper labels; electronic bar codes displayed on the screen of a mobile phone, tablet or computer that allows retailers to easily process loyalty cards, mobile coupons and more; and the high density (HD) bar codes commonly used in electronic component manufacturing. 100 percent UPC bar codes can be captured from near contact to over 30 in./76.2 cm away, while 200% UPC codes can be scanned at 55 in./139.7 cm away. Since bar codes can be captured at extreme angles, scanning is easier than ever, so workers spend less time maneuvering the scanner and more time on task. And an optional cradle that enables presentation mode gives your workers the flexibility to use the scanner in handheld and hands-free modes.

### CORDLESS FREEDOM

Bluetooth® frees workers from cords, allowing cashiers to easily scan items inside and outside of the cash wrap. In addition, Bluetooth v2.1 with EDR provides better encryption for improved security; better wireless performance; better energy management to preserve power for a full shift and easy pairing with the host device.

### BUILT FOR ALL DAY EVERYDAY USE

A patent pending single circuit board improves reliability by eliminating interconnections. Superior battery power management delivers the largest number of scans per battery charge to support scan intensive applications. You can use it in dusty and wet environments. The scan line is easy to see outdoors in bright sunlight as well as indoors in dim lighting. It can survive drops to concrete. And both cradles can handle over a quarter million insertions.

### FEATURES

#### Excellent 1-D scanning performance

Delivers superior scanning speed and a wide data capture range

#### Captures virtually all 1-D bar codes on any surface including mobile phone displays

Capture bar codes printed on traditional paper labels or displayed on the screen of a mobile phone, tablet or computer

#### Wide working range

Reads UPC bar codes from 1 in./2.54 cm to over 30 in./76.2 cm as well as high density codes and extended ranges for greater application flexibility

#### Superior motion and angular tolerance

Bar codes can be captured faster, and there is no need to pause between scans

### **COST EFFECTIVE UPGRADE PATH**

The LI4278 provides a positive return on investment by utilizing the same existing cradles and accessories as its cousins, the LS4278 and DS6878. Current investments are preserved, yet you can easily migrate to the latest in scanning technology.

### **MAXIMUM UPTIME FOR A LOW TCO**

Remote management tools combine with industry leading all-inclusive affordable service plans to keep devices in the hands of your workforce practically every minute of every working day, Service from the Start Advance Exchange Support provides next-business-day replacement of devices that require repair. Built-in Comprehensive Coverage protects your scanners from the unexpected, significantly reducing unforeseen repair expenses and delivering service peace of mind from the moment you purchase the device.

For more information, visit [www.zebra.com/li4278](http://www.zebra.com/li4278) or access our global directory at [www.zebra.com/contact](http://www.zebra.com/contact)

### **Patent pending single circuit board construction**

Maximizes durability and reduces downtime

### **Bright crisp aiming line**

Easier to aim in bright or dim lighting environments

### **Built-in rechargeable replaceable battery**

Provides largest number of scans per charge ' well beyond a single shift in the highest usage profiles; replaceable battery ensures long lifecycle

### **Long life industrial charging contacts**

Reliable performance, rated to 250,000+ insertions

### **Compatible with 123Scan<sup>2</sup> and Remote Scanner Management (RSM)**

Dramatically reduces management time and cost, from initial configuration to day-to-day management; SDK available for custom development

### **Withstands 100+ consecutive drops to concrete**

Protects against downtime from breakage due to everyday drops

### **Multi point-to-point**

Use up to three scanners with a single desktop cradle and seven scanners with a presentation cradle, reducing capital expenditures and maintenance costs

### **Batch mode operation**

Allows user to continue scanning outside communications range; can scan over 500 UPC bar codes into memory and upload automatically when in communication range

### **Flexible mounting ' vertical or horizontal**

# SPECIFICATIONS CHART

Desktop cradle provides versatility to accommodate your unique environment

## Bluetooth 2.1

Provides better security, better performance, better energy management and much easier pairing over the Bluetooth wireless connection

## Backward compatible

Works with LS4278 cradles, providing a very cost-effective upgrade path

PERFORMANCE CHARACTERISTICS		WIRELESS CONNECTIVITY	
Skew Tolerance	±65°	Radio	Bluetooth v2.1 Class 2 Radio
Pitch Tolerance	±65°	Data Rate	3.0 Mbit/s (2.1 Mbit/s) Bluetooth v2.1
Roll Tolerance	±45°	Radio Range*	330 ft./100 m (line of sight)
Scan Pattern	Single bright aiming line	*Using presentation cradle configuration	
Scan Angle	Horizontal 35°	PHYSICAL CHARACTERISTICS	
Scan Speed	547 scans per second	Dimensions	3.84 in. H x 2.75 in. W x 7.34 in. L 9.8 cm H x 7 cm W x 18.6 cm L
Motion Tolerance	25 in./ 63.5 cm per second	Weight	7.9 oz./224 grams
Light Source	LED Class 1 device 617nm (amber)	Cradle Interface	RS232, RS485 (IBM), USB, Keyboard Wedge
Min. Print Contrast	15% MRD	Color	Black; White
Scans Per Charge	Up to 57,000	Battery	Rechargeable replaceable battery with 'green sustainability'
Hours of Operation	Per full charge: 72 hours		
UTILITIES		DECODE RANGES (TYPICAL WORKING RANGES**)	
123Scan, Remote Scanner Management (RSM), Scanner Management Services (SMS), Zebra Scanner SDK		3 mil	Minimum resolution
		4 mil	4-10 in./10.2-25.4 cm
		5 mil	3-13 in./7.6-33 cm
		7.5 mil	1.5-19 in./ 3.8-48.3 cm
		13 mil (100% UPC-A)	1-31 in./2.5-78.7 cm
		20 mil	1-42 in./2.5-106.7 cm
		26 mil (200% UPC-A)	3-55 in./7.6-140 cm
		100 mil (paper)	>20 ft./6 m
		** Ranges are calculated on Code 39 unless otherwise noted	
USER ENVIRONMENT		REGULATORY	
Ambient Light Immunity	Max 108,000 lux	Technical Requirements	EMC FCC Part 15 Class B, ICES 003 Class B, IEC 60601-1-2 Environmental RoHS Directive 2002/95/EEC Electrical Safety C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, UL 60950-1 LED Class 1
Operating Temp.	32° F to 122° F/ 0° C to 50° C		
Storage Temperature	-40° F to 158° F/-40° C to 70° C		
Humidity	5% to 85% RH, non-condensing		
Drop Specification	Over 100 drops at 5 ft./1.5 m at room temperature; survives 6ft./1.8 m drops to concrete		
Environmental Sealing	Gasket sealed housing withstands dust and can be sprayed clean		
Bar Code Symbolologies	UPC/EAN: UPC-A, UPC-E, UPC-E1, EAN-8/JAN 8, EAN-13/JAN 13, Bookland EAN, Bookland ISBN Format, UCC Coupon Extended Code, ISSN EAN Code 128		

Including GS1-128, ISBT 128  
, ISBT Concatenation, Code  
39 including Trioptic Code 39  
, Convert Code 39 to Code  
32 (Italian Pharmacy Code),  
Code 39 Full ASCII  
Conversion Code 93 Code  
11 Matrix 2 of 5 Interleaved 2  
of 5 (ITF) Discrete 2  
of 5 (DTF) Codabar (NW - 7)  
Chinese 2 of 5 IATA Inverse  
1-D (except all GS1  
DataBars) GS1 DataBar  
including GS1 DataBar-14,  
GS1 DataBar Limited, GS1  
DataBar Expanded

Environmental

RoHS Compliant

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## WARRANTY

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**Subject to the terms of Zebra's hardware warranty statement, the LI4278 is warranted against defects in workmanship and materials for a period of 36 months from the date of shipment. For the complete Zebra hardware product warranty statement, go to: <http://www.zebra.com/warranty>**



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