



Symbol LS3478FZ

Rugged cordless scanner



FEATURES

High-performance scanner with fuzzy logic decode capability

Quickly and accurately scans all 1D bar codes on the first scan, including poorly printed, dirty, damaged or low-contrast bar codes

Cordless scanning

Enables real-time bar code data collection unrestricted by a cable, reducing repairs made necessary by cable failure

Rugged design withstands multiple 6.5-ft. (2-m) drops to concrete; 2,500 3.5-ft. (1-m) tumbles (5,000 hits)

Ensures maximum reliability with less downtime resulting from accidental drops

IP65-rated seal (electronic enclosure)

Protects against water and dust to ensure reliable performance in harsh industrial conditions, reducing unplanned downtime because of equipment failure

Multi-point communication

Four scanners communicate to a single cradle for increased productivity

Accurately scan damaged or poorly printed bar codes

Motorola's rugged Symbol LS3478FZ cordless scanner with fuzzy logic technology enables rapid and accurate reading of the damaged, dirty and poorly printed one-dimensional (1D) bar codes often found in your industrial environment. These cordless handheld devices offer superior performance and reliability in the yard, warehouse, distribution center, manufacturing plant or retail store. Designed for ease of use, your employees can comfortably operate the scanner — even over eight-hour shifts. And the Symbol LS3478FZ grows with you as your business needs evolve — multiple onboard interfaces enable you to easily connect to existing hosts, while also providing the flexibility to upgrade your systems without having to buy new scanners.

Eliminate the cord, not performance

Your employees can operate more efficiently when you eliminate the cable between the device and the host. Production line technicians are able to scan damaged and dirty bar codes without being cabled to the host, saving time and improving data accuracy. And the elimination of this common point of failure also translates into less downtime.

Minimize equipment downtime

The Symbol LS3478FZ is designed for scan-intensive industrial applications in the harshest operating

conditions. Industry-leading impact tests ensure reliable performance in spite of the inevitable accidental drops. The device is impervious to dust and water, and its exit window is scratch-resistant and recessed for the highest level of durability. As a result, you avoid unnecessary equipment downtime or expensive equipment replacement costs.

Provide versatility for your industrial applications

Symbol LS3478FZ features a built-in metal hook for attachment to a pulley — ideal for providing quick access and convenient out-of-the-way storage on a forklift or in the warehouse. And visible and audible feedback lets users know when a successful scan is completed, ensuring that workers remain productive in spite of noisy machinery or dim lighting.

End maintenance worries with a full suite of services and support

Even the most rugged scanners need a support plan to cover maintenance. That's why Motorola covers every aspect of your mobility solution— from network design to ongoing operations— providing unsurpassed breadth and depth of coverage to ensure all of your services and support needs are met.

For more information on the cordless rugged Symbol LS3478FZ handheld scanner and the full line of accessories, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us at www.symbol.com/l3478fz

SPECIFICATION SHEET

SYMBOL LS3478FZ
Rugged cordless scanner

Symbol LS3478FZ Specifications

Bright LED and beeper with adjustable volume

Ensure positive user feedback in noisy environments with multiple modes of confirmation, so employees don't waste time trying to determine if a scan has been completed

Bright 650 nm laser aiming dot

Delivers clearly visible line for more accurate scanning

Supports reduced space symbologies (RSS)

Ensures compatibility with emerging symbologies to protect your hardware investment

Advanced data formatting

Eliminates costly modifications to the host software

Flash memory

Simplifies updates and customization of product in the field

Universal cable set

Allows for easy replacement and upgrades

Multiple on-board interfaces

Ensures flexible connectivity with different hosts, enabling you to maximize use of your existing technology

Physical Characteristics

Dimensions:	7.34 in. H x 4.82 in. W x 2.93 in. D 18.65 cm H x 12.25 cm W x 7.43 cm D
Weight (without cable):	14.6 oz./414 g
Battery:	2200 mAh Lithium Ion Battery
Battery Charge Time:	Fully charged (100%) in 3 hours
Color:	Twilight Black/Yellow

Performance Characteristics

Scanner Type:	Retrocollective
Light Source:	650 nm visible laser diode
Scan Repetition:	36 scans per second typical
Minimum Element Width:	5 mil/0.127 mm
Nominal Working Distance:	See Decode Zone
Print Contrast:	25% minimum reflective difference
Roll (Tilt): ¹	± 20° from normal
Pitch: ²	± 65° from normal
Skew (Yaw): ³	± 50° from normal
Decode Capability:	UPC/EAN, UPC/EAN with Supplementals, UCC/EAN 128, JAN 8 & 13, Code 39, Code 39 Full ASCII, Code 39 Trioptic, Code 128, Code 128 Full ASCII, Codabar (NW7), Interleaved 2 of 5, Discrete 2 of 5, Code 93, MSI, Code 11, Code 32, Bookland EAN, IATA, UCC/EAN RSS and RSS variants

Interfaces Supported:	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse
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User Environment

Operating Temp.:	-4° to 122° F/-20° to 50° C
Storage Temp.:	-40° to 140° F/-40° to 60° C
Humidity:	5% to 95% relative humidity, non-condensing
Sealing:	Sealed to IP65 specifications
Drop Specifications:	Unit functions normally after repeated 6.5 ft./2 m drops to concrete
Ambient Light Immunity:	Immune to direct exposure of normal office and factory lighting conditions, as well as direct exposure to sunlight: Indoor: 450 ft. candles/4,842 LUX Outdoor: 8,000 ft. candles/86,080 LUX
Electrostatic Discharge:	Conforms to 20 kV air discharge and 8 kV of contact discharge

Cradles

	STB 3408 and FLB 3408	STB 3478 and FLB 3478
Power requirements:	4.75 – 14 VDC	4.75 – 14 VDC
Typical current draw:		
Not charging	10 mA	105 mA @5V; 45 mA @9V
Fast rate charge	915 mA @5V; 660 mA @9V	915 mA @5V; 660 mA @9V
Slow rate charge	480 mA @5V; 345 mA @9V	480 mA @5V; 345 mA @9V
Radio link:	N/A	Bluetooth class 1 (2.4 GHz), Class 2

Radio Specification

Radio Range:	100 meters direct line of sight
Frequency:	2.4 GHz

Regulatory

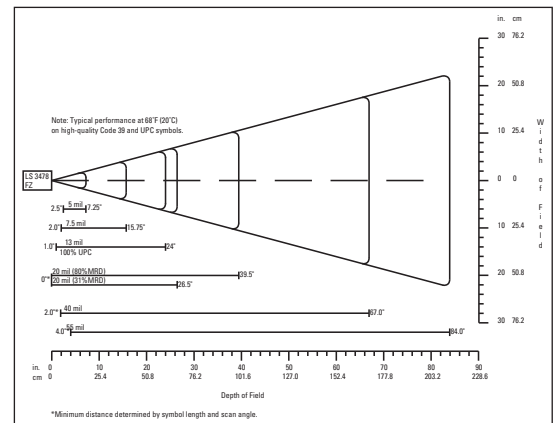
Input Transient Protection:	IEC 1000-4-(2,3,4,5,6,11)
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Japan VCCI/MITI/Dentori
Laser Safety:	IEC825-1 CLASS 2

Warranty

The Symbol LS3478FZ is warranted against defects in workmanship and materials for a period of 3 years (36 months) from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. See full warranty for details.

- 1 - Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise
- 2 - Pitch: Controlled by dropping or raising the wrist
- 3 - Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa

Symbol LS3478FZ Decode Zone



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