LS3408FZ
Rugged Handheld Scanner

Reads damaged 1D bar codes for maximum industrial productivity

The rugged LS3408FZ handheld scanner from Symbol Technologies, the Enterprise Mobility Company™, features fuzzy logic technology for fast and accurate reading of damaged, dirty and poorly printed one-dimensional (1D) bar codes typically found in industrial environments.

In the yard, warehouse, distribution center, manufacturing plant or retail store, the LS3408FZ handheld scanner offers superior performance, reliability and user-friendly ergonomics to improve productivity. Multiple on-board interfaces ensure flexible plug-and-play host connectivity.

Advanced data capture technology for tough environments

As innovative as it is rugged, the LS3408FZ delivers the ergonomic and operational features for scan intensive industrial applications. The scanner's exit window is scratch-resistant and recessed for the highest level of durability and minimal downtime. In fact, the LS3408FZ even maintained its reliability when subjected to multiple drops in a tumble test conducted in the widely recognized Symbol Industrial Design Labs.

For applications requiring quick access and convenient storage, the LS3408FZ features a built-in metal hook for attachment to a pulley. Two large LED-enhancing windows and extra loud 80 decibel (db) beeper are strategically placed on the scanner to ensure that decode feedback is clearly visible and audible to users.

Capturing mission-critical information the smart way

The standard range LS3408FZ from Symbol Technologies, the Enterprise Mobility Company, was designed specifically for industrial applications. When you choose the LS3408FZ, you receive the added assurance of purchasing from Symbol — a company with proven advanced data capture capabilities and millions of scanner installations worldwide.

For more information on the rugged LS3408FZ handheld scanner and the full line of accessories, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at **www.symbol.com/ls3408fz**

FEATURES	BENEFITS
High-performance scanner with fuzzy logic decode capability	Premium scanning for all 1D codes including poorly printed, damaged or low contrast bar codes
Ergonomic, rugged design withstands multiple 6.5 ft./2m drops to concrete; 2,500 3.5-ft (1m) tumbles (5,000 hits)	Reduces user fatigue and ensures less down time due to accidental drops
IP65 sealing rating (electronic enclosure)	Protects against water and dust to ensure reliable performance in harsh industrial conditions
Bright LED and beeper with adjustable volume	Multiple modes of confirmation ensure positive user feedback in noisy environments
Bright 650nm laser aiming dot	Delivers clearly visible line for precise, accurate bar code data capture
Supports Reduced Space Symbologies® (RSS)	Compatibility with emerging symbologies helps you to leverage your hardware investment
Global Trade Item Number™ (GTIN™) compliant	Decodes and transmits 14-digit GTINs where appropriate
Advanced data formatting	Eliminates costly modifications to the host software
Flash memory	Facilitates updates/customization of product in the field
Universal cable set	Allows for easy replacement and/or upgrades
Multiple on-board interfaces	Ensures flexible connectivity, allowing for host "future proofing"
Hands-free Intellistand™ (optional)	Enables presentation scanning and easy switching between hands-free and handheld modes

symbol®
The Enterprise Mobility Company ™

LS3408FZ Specification Highlights

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
Weight (without cable):	12.35 oz./350 gm
Power Requirements:	4.5 - 14VDC
Stand-by Current:	50mA
Power Sources:	Depending on host: • Host power • External power supply
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 degrees from normal
Pitch:[2]	+/- 65 degrees from normal
Skew (Yaw):[3]	+/- 50 degrees 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

User Environment

Operating Temperature:	-22° to 122° F/-30° to 50° C
Storage Temperature:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% relative humidity, noncondensing
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

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 LS3408FZ 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

About Symbol Technologies

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world's leading retailers, transportation and logistics companies, manufacturers, wholesale and distribution centers, government agencies and healthcare facilities. More information is available at **www.symbol.com**

DS-LS3408FZ 09/06