



Rugged Scanners At-a-Glance

Reliable, high-performance scanning for extreme environments



Choose the right scanner for your environment.

All Symbol scanners are designed to be durable — so how do you know if you need a rugged scanner? Choose a rugged scanner if there's a chance of it being covered in dust or dirt, sprayed with water or dropped from forklifts or by employees on ladders. Investing in the right scanner for your environment will provide the longevity and performance you need to achieve a maximum return on your investment.

Now, ruggedness and performance are no longer mutually exclusive.

Long recognized for their durability and reliability, Symbol rugged scanners from Motorola are designed to maximize productivity by providing optimum performance, even in less-than-optimum conditions. Under some conditions, however, durability isn't enough. In your warehouse, manufacturing facility, supply yard or delivery route, you need scanners built to withstand heavy use and harsh conditions. You need equipment able to endure being dropped repeatedly to concrete or being covered in mud, dust, grease or water. Motorola has created a line of rugged scanners that provide the same functionality the world has come to expect of Motorola's general-purpose Symbol scanners, yet are built to withstand the harshest environments.

Ensure day-in and day out continuous operation in harsh conditions
Many industrial environments need scanners that are not only able to withstand the elements and heavy wear, but are also designed to deliver the performance required to keep up with high-speed applications and fast-paced environments. Symbol rugged bar code scanners from Motorola combine industry-leading data capture technology with an exterior virtually impervious to damage, allowing you to ensure operator productivity while guarding against unnecessary equipment downtime or expensive equipment replacement costs.

When you operate in harsh, dirty and extreme environments, these rugged scanners will keep on performing. Each one is sealed to IP65, IP54 or IP53 standards—some of the highest in the industry —minimizing the chances of damage occurring should the scanner be sprayed with liquids or covered with dirt and dust. Your scanners will also continue working if your employees drop them from pallets or forklifts to concrete — even repeatedly. And since our rugged scanners are designed for industrial environments, which are often noisy, they come equipped with beepers and bright LED indicators to let your operators easily tell



when they've completed each scan. With our rugged scanners, you'll optimize productivity while reducing the need for equipment repairs, ultimately lowering your total cost of ownership.

Dependable performance in every situation

While rugged scanners are designed to meet the challenges of any industrial environment, ruggedness alone isn't enough — you need a scanner designed for performance as well as durability. And performance means different things to different organizations. Some need a scanner able to capture data quickly and repeatedly, such as on an assembly line, while others must scan bar codes from a distance.

Wherever you may need to accurately capture data throughout your operations, you'll be able to find the right device from among Motorola's complete line of rugged advanced data capture devices. Our rugged scanners offer the superior scanning performance your business requires, allowing you to capture and decode one-dimensional (1D) or two-dimensional (2D) symbologies or even images, and enabling you to scan very small or oversized bar codes up close or from a distance. Also, because nearly all of our scanners are offered in both

cabled and cordless form factors, you'll have the freedom to choose the product best suited to your environment.

You have a choice of scanner for nearly every situation, such as when your employees need to scan bar codes on items located on 12-foot-high storage shelves or stacked on pallets. Or when they have to quickly read different types of symbologies and don't have the time to line up each bar code with a scan line. Or when they must be able to create electronic records of signatures and documents to comply with regulations such as HIPAA in the United States. With Motorola's rugged offerings, you'll be able to find the right scanner to fit both your business and your environment.

Services complete the solution

Symbol scanners from Motorola are known for their durability; yet, even the most rugged scanners need a maintenance plan and a support strategy. After all, accidents happen — and when they do, you'll want to know the support you need is right at your fingertips to keep your business systems running at peak performance.

Advance Exchange Support provides the next-business-day replacement you need to keep your business up and running. Rather than waiting for your devices to be repaired, simply place a call to Motorola and we'll ship a replacement scanner to you for next-business-day delivery. It's easy, fast and reliable. Replacements are pulled from a Motorola-owned spares pool, eliminating the need for you to invest in or manage your spares. Best of all, this service includes Comprehensive Coverage, which extends your investment protection beyond normal wear and tear to cover plastics, exit windows and other components that are accidentally damaged during normal usage.

Advance Exchange Support is also available with **Service from the Start**, a prepaid service program that provides multiple years of coverage at significant cost savings when purchased alongside your scanners.

Service Center Support enhances warranty coverage by providing a rapid three-day in-house turnaround time for scanners needing repair. As with our Advance Exchange Support offering, Service Center Support includes telephone access to the Motorola technical support team for troubleshooting. Moreover, it gives you the peace of mind of knowing your scanners are expertly repaired to their original factory specifications using Motorola-certified parts.

In addition to our standard offerings, Motorola allows you to customize your Service Center Support agreement to satisfy your business requirements.

Whichever program you choose, Motorola's flexible service offerings are designed to give you the support you need — when and where you need it — to ensure you're getting the most out of your scanner throughout the lifetime of your investment.

Add the value of enterprise mobility to your operations — today

For more than 30 years, our scanners have helped companies increase operating efficiencies, reduce data errors and enhance productivity. With our family of rugged scanners, we've extended these benefits to industrial environments, giving you the ability to find the right scanner for your business — and your environment.

But just as important, our rugged scanners are one piece of a much broader enterprise mobility solution. By using our scanners with other offerings such as our wireless infrastructure, mobile computing products and mobility software, you'll be able to capture data in real time at the point of business activity, move it instantly to wherever it's needed and manage it to ensure its security and reliability. By freeing yourself from the constraints of wired networks, you'll create new advantages for yourself, your employees and your organization.

To learn more about how Motorola rugged scanners help you deliver reliable performance under even the harshest conditions, please visit us online at www.motorola.com/barcodescanners/rugged or access our global contact directory at www.motorola.com/enterprise/contactus



Motorola's family of Symbol rugged scanners

Motorola offers both a corded and cordless version of nearly all the products in its rugged scanner family. The corded models are an affordable option for situations in which your employees don't need to move far from the host computer in order to scan items, while the cordless products give your employees more flexibility, allowing them to work up to 300 feet/91.44 meters (dependent upon environment) from the host and minimizing the chances of downtime occurring as a result of a cord being damaged.

Symbol LS3008



The rugged Symbol LS3008 handheld scanner delivers affordable performance and durability in a lightweight ergonomic design for superior productivity in smaller manufacturing, light industrial, retail backroom and healthcare environments. Single board construction, frictionless Liquid Polymer Scan Technology and a scratch-resistant exit window provide the highest level of uptime performance in its class for all day everyday use.

Symbol LS3408-FZ



Fuzzy logic technology allows the Symbol LS3408-FZ and LS3578-FZ rugged scanners to rapidly and accurately read the damaged, dirty and poorly printed 1D bar codes typically found in industrial environments. In the yard, warehouse, distribution center, manufacturing plant or retail store, these handheld scanners offer superior performance and reliability as well as a user-friendly ergonomic form factor to help your employees comfortably operate the scanner — even over eight-hour shifts. A wide array of multiple

Symbol LS3578-FZ



on-board interfaces ensures connectivity to existing and future hosts, protecting your investment by providing the flexibility to upgrade systems without requiring new scanners. Two models are available: the corded LS3408-FZ and the cordless LS3578-FZ, which offers reliable operation up to 300 feet away from the cradle (dependent upon environment).

Our rugged Symbol scanners combine industry-leading data capture technology with an exterior capable of withstanding even the toughest environment, so you eliminate unnecessary downtime from broken equipment.



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- Symbol LS3408-ER** The Symbol LS3408-ER and the LS3578-ER rugged scanners deliver the greatest working range, allowing workers to scan 1D bar code labels at near contact to as far away as 45 feet (13.7 meters). This highly flexible device is ideal in the yard, warehouse, distribution center, manufacturing plant or retail store, where the dual-scan angle allows easy scanning of items on pallets and shelves as well as tiny bar codes on pick lists at close range. Choose between the corded LS3408-ER and the cordless LS3578-ER. The cordless model offers reliable operation up to 300 feet away from the cradle (dependent upon environment), providing workers with the freedom to move easily throughout the work environment to perform tasks on-the-spot as needed.



- Symbol LS3578-ER**



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- Symbol DS3407/08-SF DS3478-SF** Designed for scan intensive, fast-paced production environments, Motorola's DS34XX-SF family of scanners are as innovative as they are rugged. These 1D/2D bar code scanners offer the construction required to withstand demanding all-day every day use in a warehouse or large retail backroom for picking, put-away shipping, receiving and more. The charge-coupled device (CCD) image sensors, omni-directional scanning and two-position smart focus (a Motorola-only feature) combine to enable extraordinarily accurate and rapid processing of bar codes. Choose between the corded DS3408-SF; the cordless DS3478-SF, which offers reliable operation up to 300 feet away from the cradle; and the corded DS3407-SF, which offers imaging and document capture in addition to 1D and 2D bar code scanning.



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- Symbol DS3408-HD DS3478-HD** Built on the same platform as Symbol DS34XX-SF scanners, the Symbol DS3408-HD and Symbol DS3478-HD offer 1D and 2D bar code capture, and are designed to outperform the standard digital scanner. Offering Motorola's most rugged design specifications, these scanners are optimized for very high density 2D codes, ideal in manufacturing and large retail backroom environments where a mixture of 1D and 2D bar codes of all sizes and densities are typically utilized. Select from two available models: The corded DS3408-HD and cordless DS3478-HD.



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- Symbol DS3407-DP DS3478-DP** Also built on the same platform as Symbol DS34XX-SF scanners, the Symbol DS3407-DP and Symbol DS3478-DP are designed to read all 1D and 2D symbologies as well as direct part marks with laser-like accuracy. These scanners are ideal in heavy manufacturing — including automotive, aerospace and medical — where a wide variety of bar code types are found. The scanner reads the most challenging direct part mark — dot peen — as well as, laser etch, chemical etch, inkjet, mold, cast and thermal spray marks. Choose between the corded Symbol DS3407-DP and the cordless Symbol DS3478-DP, which offers reliable operation up to 300 feet away from the cradle (dependent upon environment).



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- Symbol P360/P370** Improve productivity at the point of sale, in the warehouse and factory floor with Symbol Phaser scanners. The corded Symbol P360 and cordless P370 offer an award-winning forward-scanning pistol grip, minimizing fatigue in scan-intensive applications to maximize productivity, even during long shifts. The display screen and optional keypad improve productivity — workers can confirm scanned data at the source, and enter and correct information on the spot, eliminating the need to travel to and from a deskbound computer.



MOTOROLA'S FAMILY OF SYMBOL RUGGED SCANNERS

Scanner	Style			Data Capture Functionality							Rugged Specifications			
	Corded	Cordless	Keypad Option	1D Bar Codes	2D Bar Codes	Direct Part Marks (DPM)	Image Capture and Transfer	Fuzzy Logic*	Optimized for Dense Bar Codes	Extended Working Range	IP53 Sealing	IP54 Sealing	IP65 Sealing	Drop Specification
Symbol LS3008	•			•							•			6.5 ft./2 m drop to concrete
Symbol LS3408-FZ	•			•				•					•	6.5 ft./2 m drop to concrete
Symbol LS3578-FZ		•		•				•					•	6.5 ft./2 m drop to concrete
Symbol LS3408-ER	•			•						•			•	6.5 ft./2 m drop to concrete
Symbol LS3578-ER		•		•						•			•	6.5 ft./2 m drop to concrete
Symbol DS3408-SF	•			•	•								•	6.5 ft./2 m drop to concrete
Symbol DS3478-SF		•		•	•								•	6.5 ft./2 m drop to concrete
Symbol DS3407-SF	•			•	•		•						•	6.5 ft./2 m drop to concrete
Symbol DS3408-HD	•			•	•				•				•	6.5 ft./2 m drop to concrete
Symbol DS3478-HD		•		•	•				•				•	6.5 ft./2 m drop to concrete
Symbol DS3407-DP	•			•	•	•	•		•				•	6.5 ft./2 m drop to concrete
Symbol DS3478-DP		•		•	•	•	•		•				•	6.5 ft./2 m drop to concrete
Symbol P360	•		•	•								•		6 ft./1.8 m drop to concrete
Symbol P370		•	•	•								•		6 ft./1.8 m drop to concrete

* Optimized for accurate and rapid capture of damaged, dirty and poorly printed bar codes



MOTOROLA

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