Versatile, Ergonomic Bar Code Scanner Delivers Next-Generation Performance Today

symbol ®

Cyclone™ M2000 Scanner Series

Symbol's Cyclone Captures More Data to Enhance Your Applications

Cyclone's rotating omni-directional scan pattern reads even truncated bar codes.

Features	Benefits
Reads 1-D, 2-D, and Composite UCC/EAN and RSS bar code symbologies	Capture more data and "future-proof" your investment
M2000 uses the latest, brightest 635–650-nm visible laser diode technology	Scanner is easy to aim, even in the brightest sunlight
Scan pattern switches and mode indicator LEDs are top-mounted for easy viewing	Switching scan patterns is easy and convenient for operations with a mix of applications, bar codes and merchandise
Hand-held or hands-free operation	Operators can scan heavy and bulky items without lifting them onto the checkstand. Scan smaller items without lifting the scanner
Built-in, adjustable stand	Operators adjust the M2000 to their preference to optimize efficiency for maximum throughput

The adjustable built-in stand pivots to make scanning items easy – no matter how large or small.

A smart investment, Symbol's innovative new scanner is future-ready now. The M2000 scanner decodes existing, new and emerging bar code symbologies instantly. The M2000 scanner is packed with features that deliver optimum flexibility including next generation scanning technology. As good looking as it is practical, the Cyclone™ M2000's sleek design complements any store's decor. Large merchandise or small, single or multiple bar code types, this scanner can handle it all.

Revolutionary user-selectable scan pattern versatility plus remarkable ease of use and adaptability make the multi-mode "Cyclone" M2000 Scanner Series from Symbol Technologies a standout for bar code scanning at point of sale.

Reads Current and New UCC/EAN Symbologies with Ease

New ways of doing business require new types of bar codes to keep products flowing smoothly from producer to user. The M2000 scanner was designed to handle new and emerging UCC/EAN-driven symbologies:

The UCC/EAN Reduced Space Symbology (RSS) is a "stacked" linear bar code for items previously too small to be marked. Track previously untrackable data on products so that lot numbers, expiration dates, weights, prices and currency information are included in the bar code.
• Retail General Merchandise: Label items with complete product identification for better management of inventory and profitability.
• Convenience Stores and Food Stores: Encode random quantity and weight products, such as meat, produce and cheeses with product identification information for better inventory management and to simplify the order and fulfillment process.

The UCC/EAN Composite Symbology (CS) combines the standard linear UPC/EAN/JAN code, a proven tool for POS checkout, receiving and inventory tracking, with a two-dimensional PDF417 portable data file that incorporates extended product information.
• Healthcare: Hospitals, drug stores and pharmacies can trace manufacturing lot numbers on pharmaceuticals and other controlled substances. Caregivers can streamline prescription processing and verify patient ID by scanning patient identification cards.
• Logistics: Gain access to shipping as well content information at any point in the supply chain.
• Retail Food: Shopkeepers can record purchase data and identification cards with a single scan of the composite code.

UCC/EAN Composite Symbology combines 1-D and 2-D scanning capabilities.

PDF417 bar codes are ideal for age verification applications.

High-density single line scanning makes quick work of pick lists and bar coded menus.

The identification and shipping data is securely attached to the product – stored on a bar code no bigger than a postage stamp.

Portable Data File (PDF) is a two-dimensional (2-D) data file that holds up to 1,000 bytes of data (1 kilobyte).
• Age Verification: Many authorities now encode the date of birth in the PDF symbol on a driver's license, preventing the sale of alcohol or tobacco products to underage customers.
• National Identification Cards: Many countries use national ID cards to open credit and telephone accounts and for identification at border crossings.
• Customer Loyalty Cards: Track customers' shopping habits.

Choose the Best Scan Pattern for Your Application
A brilliant performer at the point of sale, the M2000 scanner captures bar code data instantly, making short work of long checkout lines. Provides true "point-and-scan" scanning performance on 1-D, 2-D, RSS and CS symbologies.

Cyclone Omni-Directional Scan Pattern: A rotating omni-directional scan pattern provides the highest possible throughput by eliminating scan pattern "holes." In Cyclone mode, the scanner efficiently reads even truncated bar codes.

Smart Raster Scan Pattern: The M2000's scan pattern automatically opens up and covers 2-D and CS symbols for extremely efficient data capture. Provides the best scanning performance on damaged and poorly printed bar codes, while eliminating the need for operator training.

High Density Single Line Scan Pattern: The M2000's single scan line appears as a "mini" raster and scans multiple areas of 1-D codes to swiftly and accurately capture data on poorly printed and damaged bar coded menus and pick lists.

Bright LEDs indicate which scan pattern is working. For intuitive aiming accuracy, even in the brightest lighting conditions and for can't miss, single-pass scanning, the 635 – 650-nm laser diode emits a highly visible beam for easy-to-see scan patterns. When you lift the scanner off the counter, it automatically switches from hands-free to hand-held mode. The M2000 immediately adjusts the scan pattern for optimum hand-held data capture. Put the scanner back on the counter and it automatically returns to hands-free mode. If countertop space is at a premium, just place the M2000 in the optional wall-mount stand.

Premium Features and Unique Ergonomics Adapt to Many Uses
The M2000's adjustable, built-in stand accommodates scanning a wide range of item sizes for efficient throughput. The ergonomically shaped handle fits snugly in the hand to ensure a secure grip. The large, contoured scan trigger is handle-mounted for easy point-and-shoot operation. The patented two-finger trigger operates with minimum effort and delivers superior sensory feedback.

There's no need to change the scanner's orientation when changing the scan pattern. All of the scan patterns exit the M2000 from the large, scratch-resistant and deeply recessed window at the front of the scanner. The broad, rounded stand supplies rock-solid support for checkstand or countertop use. For maximum non-slip security, rubber feet cushion the bottom of the scanner.

Ingenious Design Provides Superior Throughput
Symbol's attention to detail comes through in design elements such as the twin beepers built into the sides of the M2000 scanner handle. The scanner beeper is loud enough to be heard by operators working in noisy environments.

M2000 scanners offer a host of high-performance features for unmatched adaptability at the point of sale. The M2000 provides direct connections to IBM, USB, RS-232 and Symbol's Synapse "smart" cabling that provides connectivity to all popular host terminals. Synapse Smart Cables eliminate the need for separate scanner-to-host controllers. Electronic Article Surveillance deactivation is also an option; locating the deactivation antenna within the scanner saves precious space at the point of sale, and eliminates secondary operations.

Advanced Data Formatting, another Symbol breakthrough, enhances M2000 data capture productivity. No need to modify host-system software to match data input formats. Instead, simply program the M2000. The scanner translates the bar code string and, for later tracking, stamps the bar code prefix with time, date and the number of the employee who scanned the data.

Like every scanner from Symbol, the M2000 is an unbeatable value because it is backed by Symbol's global network of service and support from the world leader in bar code-driven data management systems, with millions of scanners and terminals installed. To find out more about the Cyclone M2000 scanner, call any of the convenient locations listed on the back, or visit us at www.symbol.com/products

Cyclone M2000 Scanner Specification Highlights

Performance Characteristics

Light Source:	630–650-nm laser diode
Codes Supported:	1-D Symbology: UPC/EAN/JAN, NW7, Code 128, Code 39 Full ASCII, MSI/Plessey, Interleaved 2 of 5, Discrete 2 of 5, UCC/ EAN, 128, Codabar; 2-D Symbology: PDF417; Composite Codes: UCC/EAN, RSS Code
Print Contrast:	25% minimum reflectance
Interfaces Supported:	IBM 468X, 469X; RS-232C, Wand Emulation, OCR, OCIA, Fujitsu, ICL, NCR, Nixdorf, Omron, TEC, Sharp, Casio POS and Computer Keyboard Wedges from IBM, DEC Telex, NCR, WYSE, HP and other manufacturers

Physical Characteristics

Dimensions:	7.8 in. L x 3.4 in. W x 5.4 in. D/198 mm L x 86 mm W x 137 mm D
Weight:	11.7 oz./332 gm
Mounting Options:	Wall-mount stand
Durability:	Withstands multiple 4-ft./1.2-m drops to concrete

User Environment

Ambient Light:	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions Fluorescent: 450 ft.-candles; Incandescent: 450 ft.-candles; Mercury Vapor: 450 ft.-candles; Sodium Vapor: 450 ft.-candles; Sunlight: 9,000 ft.-candles
Operating Temperature:	32° to 104°F (0° to 40° C)
Storage Temperature:	-40° to 140°F (-40° to 60° C)
Humidity:	5% to 95% (noncondensing)
Power:	5.2 VDC ± 5% @ 300 mA nominal (2.6 watts nominal)
EAS Support:	Checkpoint Electronic Article Surveillance EAS

Regulatory

Laser Safety:	CDRH Class IIa, IEC Class 1

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