



# Phaser P460 Memory Scanner



## Multi-Functional Scanner for Multi-Tasking Environments

The P460 memory scanner breaks new ground in retail-industry scanning. Equipped with memory, keypad, display and an award-winning ergonomic design, this hand-held scanner switches seamlessly from data scanning to data management.

Ideal for specialty retail and department stores, the economical P460 plays many roles. At the point of sale, it is a corded hand-held scanner. Placed in a Symbol IntelliStand, it becomes an easy-to-use, hands-free presentation scanner, perfect for scanning small items. In cordless mode, the P460 moves onto the sales floor and loading dock for inventory counts and audits, price checks, order generation, receiving and transfers.

## Award-Winning Design

The P460 is comfortable to hold and easy to use. The futuristic "handle-forward" design was

awarded a gold medal in the 1998 Industrial Design Excellence Awards (IDEA98) by *Business Week* magazine and the Industrial Design Society of America. The scanner's ergonomic contours fit the hand securely and help reduce fatigue, which is important in scan-intensive applications. The P460's 17-key numeric keypad and easy-to-read two-line by 20-character display are top-mounted for effortless access and visibility.

The P460 weighs just 12 oz./336 gm. The unit is rugged and comfortable to use. Symbol built it to withstand multiple 5'/1.5 m drops to concrete.

## A Memory Option for Your Application

The standard 512 KB model offers ample storage for inventory counts, gift registry, stock transfer and similar data capture applications.

The 1 MB model provides additional memory for look-up files such as item files and price files which can be downloaded to the scanner. Support for look-up files is critical to certain real-time data capture and management applications, such as inventory audit and price verification.

The scanner's two-line display can show simple commands such as "Enter Quantity," or "Scan Item." In addition, longer lists or menus can be viewed using the scroll keys.

## Tailor Applications with Ease

Because flexibility is the hallmark of the P460 memory scanner, Symbol Technologies teamed it with MCL™-Designer, an easy-to-use Windows®-based application development tool. Using MCL-Designer's intuitive graphical user interface, even non-programmers

can create custom programs. Applications can be simulated and debugged before they are downloaded to the P460. The MCL™-Code Interpreter comes preloaded in the P460's memory.

## Flexible Host Interface

The P460's flexibility extends to the host interface. When you are ready to send or receive data, connect a cable to the P460, or place it in the optional communications cradle. Either way, the P460 interfaces via RS-232 or Symbol's Synapse® "smart" cable to many hosts in many different configurations. Up to 12 cradles can be "daisy chained" to a single RS-232 port on the host.

## Plenty of Power

The P460 comes with a high-capacity rechargeable lithium-ion battery that powers the unit for up to 12 hours even during scan-intensive applications. The P460 recharges its battery automatically whenever it is supplied with power either through the cable or cradle. A complete recharge takes less than four hours.

## For More Information

Symbol systems are critical to business success in data-intensive, time-critical environments because our systems enable you to capture, access and manage information at the point of business activity.

To find out more about how your company can benefit from the versatility, cost-effectiveness and ease of use of the P460 memory scanner, call any of the convenient locations on the back address panel or visit us at [www.symbol.com](http://www.symbol.com)

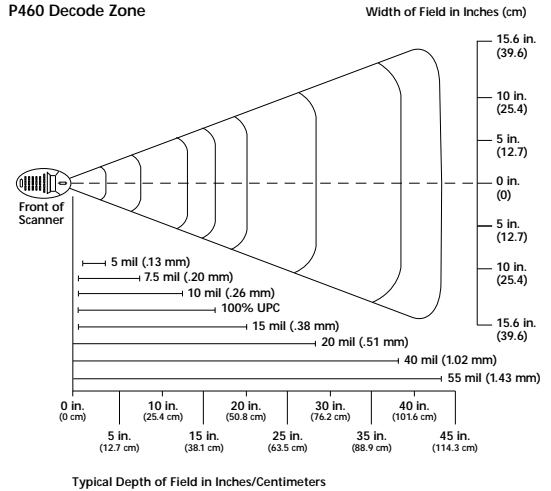
# P460 Specification Highlights

## Physical Characteristics

Dimensions:	7.0" H x 9.2" W x 3.5" D/17.8 cm H x 23.1 cm W x 9.0 cm D
Weight:	12 oz./336 gm
Laser Class:	CDRH Class II, IEC825-1/EN60825-1 Class II
Light Source:	Visible Laser Diode at 650 nm
Scan Rate:	35±5 scans per second
Scan Angle:	42°±2°
Minimum Print Contrast:	20% absolute dark/light reflectance
Drop Specification:	Multiple 5'/1.5 m drops to concrete
Keyboard:	17-key keypad, single-stroke numeric, shifted alpha, user-programmable function keys
Display:	2-line x 20-character; longer lists or menus can be viewed using the scroll keys
Power:	External power supply into cable or cradle; cordless power from a high-capacity rechargeable Lithium-ion battery automatically recharges from external power via cable or cradle



## P460 Decode Zone



## Performance Characteristics

Decode Capability:	UPC/EAN, Bookland EAN, Code 39, Code 39 Full ASCII, Trioptic Code 39, Code 93, Codabar, Interleaved 2 of 5, Code 128, EAN 128, Discrete 2 of 5, MSI Plessey, and Coupon Code
CPU:	Toshiba T900H
Memory:	512KB or 1 MB of Memory
Application Development:	MCL-Designer; runtime interpreter preloaded
Communications:	RS-232 Serial or Symbol Synapse cables, direct connect or via optional cradle

## User Environment

Ambient Light:	Sunlight: 10,000 ft.-candles/107,644 lux Incandescent, fluorescent, sodium vapor and mercury vapor: 450 ft.-candles/4,844 lux
Operating Temperature:	32° to 104°F/0° to 40°C
Storage Temperature:	-40° to 158°F/-40° to 70°C
Humidity:	5% to 95% (noncondensing)

## Peripherals and Accessories

Cradle:	Single-slot cradle optional for host-computer communications. Desk-mountable or wall-mountable RS-232 Serial or Symbol Synapse cables
Hands-Free Stand:	Symbol "IntelliStand" for hands-free scanning in presentation-mode. Scanner automatically goes into pulse-mode when placed into stand
EMI/RFI:	FCC Part 15 Class A, EMC Directive, Australian SMA <b>EN410</b>
Electrical:	Certification to UL1950, CSA C22.2 No.950, EN60950/IEC950 <b>CE</b>

Specifications are subject to change without notice. MCL-Designer and MCL-Code Interpreter are trademarks and Synapse is a registered trademark of Symbol Technologies, Inc. Windows is a registered trademark of Microsoft Corporation.

For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Certified Business Partner.



**Corporate Headquarters**  
**Symbol Technologies, Inc.**  
 One Symbol Plaza, Holtsville, NY 11742-1300  
 TEL: 1-800-722-6234/1-516-738-2400  
 FAX: 1-516-738-5990

**For Canada**  
**Symbol Technologies Canada, Inc.**  
 2540 Matheson Boulevard East  
 Mississauga, Ontario, Canada L4W 4Z2  
 TEL: 1-905-629-7226/FAX: 1-905-629-9765

**International Headquarters**  
**Symbol Technologies International**  
 Symbol Place  
 Winnersh Triangle  
 Berkshire, England RG41 5TP  
 TEL: 44-118-945 7000/FAX: 44-118-945 7500

**For Europe & the Middle East**  
**Symbol Technologies International**  
 Symbol Place  
 Winnersh Triangle  
 Berkshire, England RG41 5TP  
 TEL: 44-118-945 7000/FAX: 44-118-945 7500

**Asia Pacific Division**  
**Symbol Technologies Asia, Inc.**  
 230 Victoria Street  
 #04-05 Bugis Junction Office Tower  
 Singapore 188024  
 TEL: 65-337-6588/FAX: 65-337-6488

**For Latin America**  
**Symbol Technologies**  
 7900 Glades Road  
 Suite 340  
 Boca Raton, FL 33434  
 TEL: 1-800-347-0178/1-407-438-1275  
 FAX: 1-407-483-3922

**For Africa**  
**Symbol Technologies Africa, Inc.**  
 Block B2  
 Rutherford Estate, 1 Scott Street  
 Waverley 209, Republic of South Africa  
 TEL: 27-11-4405668/FAX: 27-11-4406191

**Symbol World Wide Web Internet Site**  
 For a complete list of Symbol subsidiaries and Business Partners worldwide contact us at:  
<http://www.symbol.com>  
 E-mail: [info@symbol.com](mailto:info@symbol.com)

