Symbol P360

symbol®

Rugged Scanner for Multi-Tasking in Extreme Environments

The P360 memory scanner breaks new ground in industrial bar code scanning. Equipped with memory, keypad, display and an award-winning ergonomic design, this hand-held scanner switches seamlessly from data entry to data management. Ideal for extreme environments: warehouse stores, builders' yards, receiving and cross-dock applications, the economical P360 plays many roles. This scanner, sealed to IP54, stands up to conditions in extreme environments: dust, rain, heat and cold as well as 6 ft (1.8m) drops to concrete. Connected to a host, it is a corded, rugged hand-held scanner. In cordless mode, the multi-tasking P360 goes where other memory scanner can't — where the data has to be managed and collected: onto the loading dock, into the warehouse or out into the yard for cycle counts, receiving, inventory checks and transfers.

Award-Winning Design

The P360 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 P360's 17-key numeric keypad and easy-to-read two-line by 20-character display are top-mounted for effortless access and visibility. The P360 weighs just 12 oz./336 gm. The unit is rugged and comfortable to use. Symbol built it to withstand multiple 6 ft/1.8 m drops to concrete.

A Memory Option for Your Application

The standard 1 MB model offers ample storage for inventory counts, and similar data management applications, as well as sufficient memory for look-up 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 checks and receiving. Ask Symbol about the 4 MB memory option.

The scanner's two-line display can show simple commands such as "Enter Quantity," or "Scan Item"; use the scroll key to view longer lists or menus.

Tailor Applications with Ease

Symbol Technologies teamed it with MCL-Designer, an easy-to-use Windows-based application development tool to ensure ease and flexibility are the hallmarks of the P360 memory scanner. 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 P360. The MCL interpreter is pre-loaded in the memory.

Flexible Host Interface

The P360's flexibility extends to the host interface. When you are ready to send or receive data, connect a cable to the P360, or place it in the optional communications cradle. Either way, the P360 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 P360 comes with a high-capacity, 1100 mAh rechargeable lithium-ion battery that powers the unit for up to 12 hours even during scan-intensive applications. The P360 recharges its battery automatically whenever it is supplied with power either through the cable or cradle. A complete recharge takes less than four hours.

The P360 memory scanner is backed by Symbol technologies' worldwide service and support network. With millions of scanners and terminals installed, Symbol is the world leader in bar code-driven data transaction systems. To find out how your company can benefit from Symbol's memory scanners, contact any of the locations on the back panel, or visit us at www.symbol.com

P360 Physical Specification Highlights

Physical Characteristics

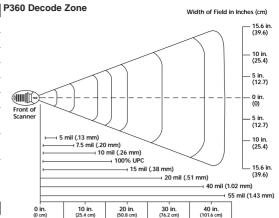|	
Dimensions:	7.0 in. H x 9.2 in. W x 3.5 in. D/17.8 cm H x 23.1 cm W x 9.0 cm D
Weight:	12 oz./336 gm
Light Source:	650 nm laser diode
Scan Rate:	36±3 scan/sec (bi-directional)
Scan Angle:	42° ± 2°
Minimum Print Contrast:	20% minimum reflectance
Keyboard:	17-key keypad, single-stroke numeric, shifted 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 1100 mAh rechargeable Lithium-ion battery automatically recharges from external power via cable or cradle

Performance Characteristics

Decode Capability:	UPC/EAN with supplements, Code 39, Code 39 Full ASCII, Trioptic Code 39, Code 93, Codabar, Interleaved 2 of 5, Code 128, EAN 128, Discrete 2 of 5, and MSI Plessey
CPU:	Toshiba T900H
Memory:	1 MB of Memory. Ask Symbol about the 4MB memory option
Application Development:	MCL-Designer; runtime interpreter pre-loaded
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 Artificial light: 450ft-candles/4,844 lux
Drop Specification:	Multiple 6 ft/1.8 m drops to concrete
Operating Temperature:	-4° to 122°F/(-20° to 50°C)
Storage Temperature:	-40° to 158°F/-40° to 70°C
Humidity:	5% to 95% (noncondensing)
Environmental:	All components sealed to IP54 against windblown rain and dust

Peripherals and Accessories:

Cradle:	Single-slot cradle optional for host-computer communications. Desk- or wall-mountable RS-232 Serial or Symbol Synapse cables

Regulatory

Electrical Safety:	Certified to UL1950, CSA C22.2 No. 950, EN60950/IEC950
Laser Safety:	CDRH Class II, IEC Class 2
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA

P360 Decode Zone

Width of Field in Inches (cm)

Front of Scanner

5 mil (.13 mm)
7.5 mil (.20 mm)
10 mil (.26 mm)
100% UPC
15 mil (.38 mm)
20 mil (.51 mm)
40 mil (1.02 mm)
55 mil (1.43 mm)

Typical Depth of Field in Inches/Centimeters

CAUTION
LASER LIGHT–
DO NOT STARE INTO BEAM
630nm-680nm LASER
1.8 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT

CE   ℃N410

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