Honeywell

ScanPal2

Mobile Computer

Honeywell's ScanPal®2 is a compact, portable data collection terminal designed for daily use in applications such as inventory/stock control, shipping/receiving, and more.

The ScanPal 2 is designed for all-day, everyday use. The compact design allows the user single handed operation, ease of use, and durability.

A brightly lit LCD graphics screen with built-in contrast control allows the user to adjust the brightness of the screen, enabling it to be read perfectly in all lighting conditions. The font size on the display can be specified as either small font (20x8 characters), or large font (15x4 characters).

Using two standard 'AAA' batteries, the ScanPal 2 provides over 100 hours of operation. The 1MB SRAM allows for approximately 50,000 records to be stored in ScanPal 2's memory. Uploading the collected data is quick and easy via RS232, IR, IrDA, or Keyboard Wedge data transmission.

Each ScanPal 2 contains an easy-to-use, but comprehensive Windows®-based application generator and downloading utilities. BASIC and C compilers are also available for advanced programming.

There are a multitude of applications in which ScanPal 2 performs including inventory/stock control, shipping and receiving, document monitoring, factory floor data collection, shelf price audits, price checking, asset tracking, warehousing and distribution operations.

Features

- **Easy To Use Windows-Based Application Generator:** No programming experience needed; application is up and running in just a few minutes
- **Optional "C" and "BASIC" Compilers:** Offers additional customization capabilities for the more experienced programmer
- **128 x 64 Pixel Back-Lit LCD Display:** Easy to read in all lighting conditions; large screen allows for both large and small fonts
- **Various Accessory Options:** Flexibility to customize for any application
- **1 MB SRAM, Stores Over 50K Records:** Minimizes downtime by eliminating the need to continuously offload data

ScanPal 2 Technical Specifications

Mechanical/Environmental	
Dimensions	145 mm x 63 mm x 34 mm (5.7˝ x 2.5˝ x 1.3˝)
Weight	6.3 oz (180g) including batteries
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	Withstands multiple 4´ (1.2m) drops

System Architecture	
Processor	16-bit CMOS, low power consumption
Memory	Program memory: 1 MB flash ROM Data memory: 1 MB SRAM
Display	LCD - 128 x 64 pixels, back-lit
Keypad	21 rubber keys; alpha/numeric, function, scanner
Audio	Programmable buzzer 1 KHz - 4 KHz
I/O Ports	RS232, IrDA or high speed IR, Keyboard Wedge
Battery	Main: two “AAA” batteries; optional Ni-MH rechargeable battery; Backup: 3V, 7 mAh, rechargeable lithium battery
Decode Capabilities	Reads standard 1D symbologies
Imager/Scanner	Laser Scanner: Visible Laser Diode 670 nm ± 15 nm; CCD Scanner: LED 610 nm - 623 nm
Development Environment	Windows-based Application Generator; optional C & BASIC compilers
Warranty	1 year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies

Laser Scanner Typical Performance*	
Narrow Width	Depth of Field
5.2 mil	76 mm - 127 mm (3.0˝ - 5.0˝)
7.5 mil	64 mm - 203 mm (2.5˝ - 8.0˝)
10 mil	51 mm - 280 mm (2.0˝ - 11.0˝)
13 mil	51 mm - 381 mm (2.0˝ - 15.0˝)

*Resolution: 5 mil (0.127 mm)
*Performance may be impacted by bar code quality and environmental conditions

CCD Engine Typical Performance*	
Narrow Width	Depth of Field
5.2 mil	40 mm - 100 mm (1.6˝ - 3.9˝)
6 mil	35 mm - 100 mm (1.4˝ - 3.9˝)
10 mil	30 mm - 140 mm (1.2˝ - 5.5˝)
13 mil	30 mm - 160 mm (1.2˝ - 6.3˝)

*Resolution: 4 mil (0.102 mm)
*Performance may be impacted by bar code quality and environmental conditions

For more information:
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