

Preliminary Specification



ScanPal 2

Features

- **128 x 64 dot Graphic LCD Display (backlit)**
- **CCD or Laser scan engine options**
- **1 MB for programs and 1 MB SRAM for data**
- **RS232, KBW, Infrared & IrDA interfaces**
- **Alkaline or NiMH rechargeable batteries**
- **Application generator and download software**

The ScanPal 2 is a portable data collection terminal with elegant styling. It is designed to provide high performance for all-day, everyday use. It is supported by a rich set of development tools, including 'C', 'BASIC' and a Windows-based application generator.

With its integrated Laser/LRCCD barcode scanning unit, the ScanPal 2 is ideal for inventory control, work-in-process tracking, shop floor management, asset tracking, meter reading, warehousing and distribution operations.

Accessories:

- Download/Charger Cradle.
- Dual battery pack charger (incl power supply).
- IR Transceiver.
- Protective case.
- KBW interface cable.
- Basic & 'C' development tools.



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OPERATIONAL

CPU	16-bit CMOS, low power consumption
Program memory	1 MB flash memory
Data memory	1 MB SRAM
Display	128 x 64 graphic dots FSTN with LED back-lit
Keypad	21 rubber keys
Indicator	Buzzer – Programmable, 1 KHz to 4KHz LED – Dual-color, green and red
Laser Scanner	Light source – Visible Laser diode operating at $670 \pm 15\text{nm}$. Scan rate – $36 \pm \text{scans/sec}$ Scan angle – 42° nominal Depth of field – 5cm - 95cm, depends on bar code resolution
Long Range CCD	Resolution – 0.15mm - 1.00mm Depth of field – 20cm (for 0.33mm label) Scan rate – 100 scans/sec
Communication	RS-232 – Transmission speed up to 115.2k bps IrDA – Standard 1.0 compatible, up to 115.2k bps High speed IR – Up to 115.2k bps transmission rate
Programming Language	'C', 'BASIC', and a Windows-based Application Generator

MECHANICAL

Length	145 mm
Width	63 mm
Height	33.5 mm
Weight	180 g (including batteries)

ELECTRICAL

Power - Battery Operation	Two AAA size removable/rechargeable batteries
Power - Backup Battery	3.0V, 7.0mAh, rechargeable NiMH battery
Operation	Over 100 hours (with Alkaline batteries)

ENVIRONMENTAL

Operating Temperature	-20°C to 60°C (??°F to ??°F)
Storage Temperature	-30°C to 70°C (??°F to ??°F)
Humidity	Non-condensing 5% to 95%
Shock resistance	1.2m drop onto concrete
EMC regulation	FCC class-A, CE and C-Tick approved

KBW cable, High speed IR Transceiver, Protective case, Dual battery pack charger, Download/Charger Cradle

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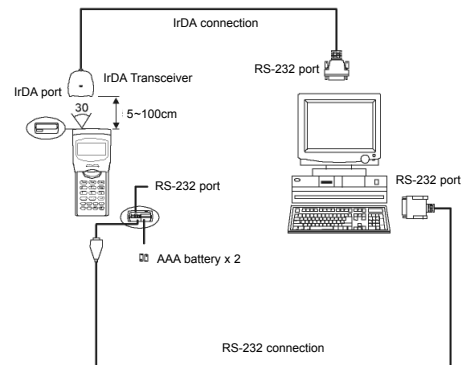
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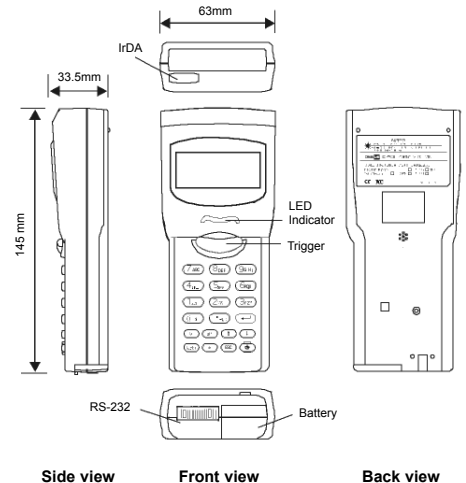
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RS-232 and IrDA Connection



Dimensions



Side view

Front view

Back view

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