

## Preliminary Specification



# ScanPal® 2 RF

### Features

- Coverage of approximately 200M
- CCD or Laser Scan Engine
- 1MB Flash memory for programs
- 128 x 64 dot graphic LCD display (backlit)
- Application generator and download software
- Over 20 hour battery charge
- Up to 15 units can be operated from one base station



**The ScanPal 2 RF 8100** is the new radio frequency version of the successful ScanPal 2 portable data collection terminal. Working in conjunction with its base station, the ScanPal 2 RF is capable of transmitting data over a distance of 200m (line of sight). Also offering an ability to run 15 terminals on one base station the unit offers economic high performance RF data collection in all warehouse and logistics based applications including, work in progress, tracking, shop floor management, asset tracking, meter reading and distribution based activities.



The CCD or laser scan engine equipped ScanPal 2 RF is supported by a comprehensive set of development tools, including 'C', 'Basic' and a Windows-based application generator.

### Accessories:

- Download/charger cradle
- Dual battery pack charger (incl. power supply)
- Protective case
- 'Basic' & 'C' development tools



# ScanPal® 2 RF

## Preliminary Specifications

### RF TERMINAL

Frequency	433 MHz
Modulation	FSK
Data rate	9600 bps
Channels	4
Output power	10 mW
Coverage	200 metres line of sight
Compliance	EN 300 220

### BASE

Frequency	433 MHz		
Interface	RS 232		
Base baud rate	115,200 bps		
Base to base	RS 485		
Maximum bases/system	16		
Maximum terminals/base	15	Maximum terminals/system	45
Output Power	10 mW		
Coverage	200 metres line of sight		
Compliance	EN 300 220		
Dimensions	145mm (L) x 63 mm (W) x 42 mm (H)		
Weight	210 g (including batteries)		

### OPERATIONAL

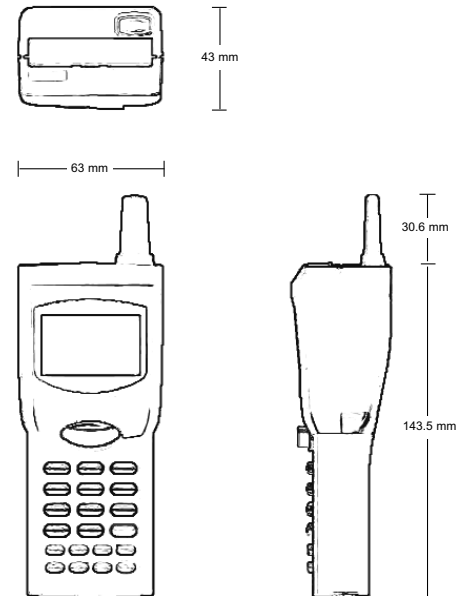
CPU	16-bit CMOS, low power consumption
Program memory	1 MB flash memory
Data memory	256 Kb SRAM
Display	128 x 64 graphic dots FSTN with LED back-lit
Keypad	21 rubber keys
Indicator	Buzzer – Programmable, 1 KHz to 4KHz LED – Dual-colour, green and red
Laser Scanner	Light source – Visible Laser diode operating at $670 \pm 15$ nm. Scan rate – $36 \pm$ scans/sec Scan angle – $42^\circ \pm$ nominal Depth of field – 5 cm - 95 cm, depends on bar code resolution
CCD Range	Resolution – 0.125 mm - 1.00 mm Depth of field – 3 cm - 16 cm (for 0.33 mm label) Scan rate – 100 scans/sec
Communication	RS-232 – Transmission speed up to 115.2k bps
Programming Language	'C', 'BASIC', and a Windows-based Application Generator

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

RS232 cable, Download/charger cradle, RF base station, Dual battery pack charger, Protective case, Mounting bracket

Specifications subject to change without notice.  
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### Dimensions



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