



# RTS Tracer 4

HIGH PERFORMANCE HAND HELD RADIO TERMINAL

RADIO TERMINAL SYSTEMS



The RTS Tracer 4 has been ergonomically designed for day-long use. It has many outstanding features that make it the ultimate in hand held radio terminals.

The RTS Tracer 4 is able to provide the maximum in radio terminal system benefits.

The ARM7 RISC processor core is advanced in terms of performance, power and efficiency.

This opens up a whole new world in speed, multi-tasking operations and multiple host connectivity, while extending the battery life.

With modular design and PCMCIA flexibility the RTS Tracer 4 can easily accommodate future advances in IT and is already capable of using forthcoming technologies.

The built-in bar code scanner has a read range from a few centimetres to 11 metres giving a wide variety of uses. An alternative fuzzy logic option reads damaged or partially obscured barcodes with ease.

The RTS Tracer 4 supports a wide variety of network options including spectrum 24, narrow band and GSM.

## FEATURES

- High performance and power efficiency from 32-bit ARM7 RISC processor
- Ergonomically designed and well balanced for shift-long use
- Quick release battery
- Dust/Water resistant
- Internal Shock absorbing components
- Terminal emulation capable





## RTS TRACER 4 SPECIFICATIONS

### USER INTERFACE

#### Keyboard

28 (numeric) or 55 (alphanumeric) key colour coded and sealed elastomer keypad.

Function keys F1-F24 available.

Cursor keys.

Audible key beep.

#### Display

High contrast supertwist LCD with up to a maximum of 20 lines by 40 characters and 10 lines by 20 characters as default.

Backlighting and powersaving modes.

Graphically based 240 x 160 pixels.

### CPU ARCHITECTURE

#### Operating System

Built on the pSOS real-time multi-tasking kernel, specifically developed and optimised for the ARM7 32-bit RISC processor.

Diagnostics and information menus within the unit.

#### Processor Core

##### – Processor

The heart of the unit is based around a very high performance integrated LH77790 ARM7 32-bit RISC processor running at 20MHz

##### – Memory

1, 2 or 4 MB of non-volatile flash memory (for operating system and application program).

1 or 2 MB of non-volatile SRAM.

##### – Real-time Clock

Real-time clock with continuous operation.

### SCANNING OPTIONS

#### Barcode Scanner

Reads all industry standard barcode symbologies including UPC, EAN, Plessey, Code 39, Code 39 full ASCII, Interleaved and discrete 2 of 5, Code 128, Code 93, Codabar.

Auto discrimination of up to 9 barcode types.

Good-read and Bad-read LED's (green and red).

CDCR Class II laser scanner, IEC825 Class 2.

680nm laser diode (visible red).

36 scans per second.

Extended Range and Fuzzy Logic Scanners.

### COMMUNICATIONS

#### Radio Communications

##### Spectrum 24 version

Spread spectrum 2.4GHz band.

1,2 or 11 Mbps data rate.

Output power 100mW (approx).

Typical indoor range of 100m radius depending on environment.

802.11/B Compliant.

##### Narrow band version

High speed narrow band transceiver covering 450 to 472MHz.

4800 bps data rate.

Typical indoor range of 500 metre radius depending on environment.

#### Interfacing

1 x RS232 serial port with +5V switched output.

Internal PCMCIA slots accepting 1 x type 3 card or 2 x type 2 cards.

An optional infra-red data port module for wireless downloads.

### PARAMETERS

#### Physical Operating Parameters

Temperatures:

Operating 0°C to +55°C.

Storage 0°C to +55°C.

Humidity:

5% to 95% non-condensing.

Shock:

Rubber mounted internal components for impact resistance.

Reliability:

Designed for an MTBF (mean time before failure) of 5 years.

### DIMENSIONS

Height: 225mm

Width: 97mm

Depth: 205mm

Weight: 706g (excluding battery pack).

### COMPLIANCE

#### Approvals / Standards

General:

European standards / directives and CE Marked / CTICK.

Narrowband:

ETS 300-320.

Spread Spectrum:

Compliant with the current IEEE 802.11/B standard.

### POWER SOURCE

Lithium ion battery pack with short circuit protection.

Typically lasts 8 hours depending on usage.

Capable of 1000 charge / discharge cycles.

On-screen battery warning.

RADIO



Dealers Stamp

RTS operate a policy of constant product improvement therefore these performance specifications may be subject to change at any time without notice.

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