

> RTS Tracer 5

High performance handheld radio data terminal



RADIO TERMINAL SYSTEMS

KEY FEATURES – BENEFITS

- Linux v2.6 multi-tasking kernel – *Robust operating system with quick boot-up time*
- 32 bit Intel XScale PXA255 CPU @400MHz – *Supports multiple platforms*
- Ergonomically designed and well balanced – *Comfortable to hold for shift-long use*
- Quick-release battery – *Allows battery exchange in seconds*
- Dust/water resistant – *Enables use in harsh environments*
- Rubber-mounted internal components – *Reduces possible damage to internal optical components when dropped*
- Terminal emulation capabilities – *Compatible with a wide range of software applications*

PRODUCT OVERVIEW:

The RTS Tracer 5 is a robust mobile radio data terminal, purpose built for handheld operations within a warehouse environment. It has been ergonomically designed for day-long use and to overcome challenges including operation at -30°C to +40°C temperatures, as seen in cold storage and ambient environments.

The built-in bar code scanner has a read range from 5 centimetres to 10 metres, allowing for a wide variety of uses. An alternative fuzzy logic option reads damaged or partially obscured barcodes with ease.

Utilising LINUX technology, user operation has been simplified through fast start up times and extremely reliable operation, reducing frustration caused by typical operating system failures.

Additionally, this reliability increases productivity and reduces errors in receiving, tracking, put-away, picking, and scanning by not having to rekey information after terminal failure.

The Tracer 5 provides a bright 240 X 160 pixel backlit, full colour display for an easy to read colour screen.

The RTS Tracer 5 supports numerous network options, including Symbol Spectrum 24 and CISCO Aironet.



> Technologically Advanced Rugged Products



>RTS Tracer 5

High-performance handheld radio data terminal

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 colour LCD with up to a maximum of 20 lines by 40 characters and 10 lines by 20 characters as default
- Backlighting and power saving modes
- Graphically based 240 x 160 pixels colour display

CPU ARCHITECTURE

Operating System

- Built on the Linux V2.6 real-time multi-tasking kernel, specifically developed and optimised for the PXA255 32-bit RISC processor
- Diagnostics and information menus within the unit

Processor Core

- Processor — high-performance integrated Intel XScale PX255 32-bit RISC processor running at 400MHz
- Memory — 32MB SDRAM and 32MB NAND FLASH memory (for operating system and application program)
- Expandable via XD memory slot

REAL-TIME CLOCK

- Real-time clock with continuous operation

SCANNING OPTIONS

Barcode Scanner

- Reads all industry standard barcode symbologies including UPC, EAN, Code 39, Code 39 full ASCII, Interleaved 2 of 5, Discrete 2 of 5, Code 128, Code 93, Codabar
- Good-read and bad-read LED's (green and red)
- 650nm laser diode (visible red)
- Extended Range and Fuzzy Logic scanners

COMMUNICATIONS

Radio Communications

- Spread spectrum 2.4GHz band
- 11 or 54 Mbps data rate
- Output power 100mW
- Typical indoor range of 100m radius depending on environment
- 802.11B/G compliant

Interfacing

- 1 x RS232 serial port with +5V switched output with optional USB and 10/100 Ethernet
- Internal PCMCIA slots

PHYSICAL OPERATING PARAMETERS

Temperatures

- Operating 0°C to +40°C
- Cold store version -30°C to +40°C
- Storage 0°C to +60°C

Humidity

5% to 95% non-condensing

Shock

Rubber mounted internal components for impact resistance

Reliability

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

DIMENSIONS

- (H): 225mm (W): 97mm (D): 205mm
- Weight: 840g (excluding battery pack)

COMPLIANCE

General

C-Tick

Spread Spectrum

Compliant with the current IEEE 802.11B/G standard

POWER SOURCE

- Lithium ion battery pack with short circuit protection
- 8 hours depending on usage
- Capable of 1000 charge / discharge cycles
- On-screen battery warning

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RTS is an Australian hardware manufacturer and integrator of mobile devices, specialising in warehousing and materials handling applications. The company was founded in 1997, and is now recognised for its market-leading ruggedised products and responsive customer service.

RTS is a subsidiary of the Oxford Logistics Group, a family owned business which focuses on providing products and services for the cold storage, logistics, warehousing and materials handling industries.

Because of our constant product improvement process, these performance specifications may be subject to change at any time without notice.



108 Dohertys Road, Laverton North
Victoria 3026, Australia

Telephone
61 3 9240 4200

Facsimile
61 3 9369 9478

Web
www.radterm.com.au



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