FW300

ULTRA-RUGGED, WIRELESS MOBILE COMPUTING SOLUTIONS

- Highly durable, built to withstand the harshest of environments
- Waterproof, drop-proof
- Industry standard operating system
- Customisable keyboard
- Optional PC Card support including GSM and CDPD

- Optional integrated peripherals including:
    - 3 inch [76mm] thermal printer
    - Laser scanner
- Full range of loaders and chargers
- TCP/IP internet capable communications software [AdMIre]
- Infra-red and RS232 communication ports
- Outstanding ease of use

PRODUCT PERIPHERALS

Integral Thermal Printing - FWP-30

The FWP-30 thermal printer can be integrated within the FW300 solution offering 3 inch [76mm] thermal printing for a one-handed solution.

The FWP-30 is able to utilise customisable pre-printed or standard thermal paper stock to ensure a speedy and professional output. This is combined with an extremely high density printing capacity to produce superb text, graphics and barcodes, whilst maintaining the ruggedness of the total solution.

Integral Barcode Reading - FWL-10

Barcode reading can be included within the FW300 configuration by integrating the FWL-10 module   This optional scanning module can be utilised with the FWP-30 printer.

Offering a one-handed solution for 1D barcode reading this compact and versatile device combined with the FW300 offer unique, multiple and varied operations in one unit.

Portable Thermal Printing - FP40

The FP40 portable printers are highly rugged, lightweight and durable. They print 4 inch [100mm] tickets, labels and receipts with full graphics capabilities and have in-built barcode symbologies.

The FP40 offers levels of durability and shock resistance not found in normal mobile printers. Combined with an extreme operating temperature range, these features ensure reliable, high quality output in the most demanding of mobile printing applications.
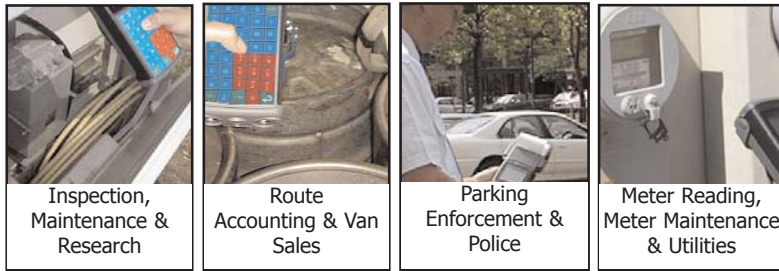
Optical Loaders and Chargers for Ultra-Rugged Handheld Computers

For ease of use Radix has designed a range of optical loaders and chargers to communicate with and charge the handheld computers. These single and multi-way loader/chargers are designed for main depot and/or home use, and in-vehicle charging. Utilising the infra-red port or wireless comms, the system offers high speed data transfer to and from the handhelds as well as power cell recharging.

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www.radix-intl.com

INDUSTRY BENEFITS

Inspection, Maintenance & Research	Route Accounting & Van Sales	Parking Enforcement & Police	Meter Reading, Meter Maintenance & Utilities

High Performance Ultra-Rugged Wireless Mobile Computer Featuring IBM PC-DOS V 7 Operating System

- Securely collect data in all conditions, from freezing temperatures to wet or hot environments.
- Barcode and track packages, boxes and items for delivery with the integral printer and barcode scanner.
- Print anywhere, on-the-spot fines and citations, tickets and receipts, graphs and invoices.
- Utilise real-time information from a main computer whilst in the field.
- Tickets for buses, trains, ships, rides, events and queues can be printed.
- Charge and load multiple units at a depot via the internet or modem, or charge and load a single unit at home.
- Choose company logos, colours, languages, codes and legends for a truly personalised system.

Mobile Computing with Radix Computers

Radix International Corporation is an established world leader in the mobile computing market. The company designs and manufactures feature rich, flexible and rugged handheld computers and portable printers for organisations who depend on the integrity of their mobility solutions. Radix products add significant value wherever users operate in a potentially harsh environment (for example, outdoors in all weathers), and where the frequency of use is high (mission critical applications).

Radix has operations in the United Sates and the United Kingdom. The company is closely aligned with a network of business partners in over 50 countries who deliver integrated solutions in vertical markets based on Radix products. This strategic approach has meant that Radix has become an established supplier to many FTSE EuroTop 300 and Fortune 500 organisations. Although our products are very strong in terms of their differentiation and suitability to harsh environment computing, it is our strategic partnerships that enable us to deliver real business value to user organisations through cost improvement and the enhancement of operational efficiency or competitive advantage.

As well as being completely sealed against water or dust ingress, Radix computers are designed to perform in environments where temperatures can fall well below freezing point or where natural heat can exceed the controlled environments of offices and warehouses. Radix equipment is also designed to keep on working through the inevitable knocks and shocks of everyday life in 'the field'.

MODULARITY

The FW300 unit complete with FWP-30 integrated thermal printer and extended end cap for outsized PC Cards showing space for an integrated scanner/image capture module option.

FW300

Physical Characteristics
- Approx. size (without strap) 8.7 in x 3.4 in x 2.0 in (220 mm x 86 mm x 50 mm)
- Weight including power module and memory expansion module 25oz (700g)

Display
- 30 characters by 20 lines at default cell size, dot pixels 240 x 240
- Full graphics capability

Keyboards
- Custom defined keyboards supported
- Environmentally sealed keypad
- Low profile contoured keys or raised keys

Processor
- Intel 386CXSB clocked at 16 MHz

User Environment
- Operating Temperature: -22°F to +131°F (-30°C to +55°C),
- Waterproof/dustproof to IP67/BSEN60529/EC529/ MILSTD 810E
- Totally submersible to 3 ft (1m)
- Withstands repeated drops from 5ft (1.5m) onto

Operating System
- IBM PC-DOS Version 7 in ROM
- Phoenix BIOS version 4.04

Memory
- 1 Mbytes of SDRAM

File System
- Up to 6 Mbytes flash file system [unformatted]
- Two 256 Kbyte ROM disks with buit-in compression

Sound
- Internal buzzer, programmable frequency and duration

Communication Ports
- Two RS232 serial communications ports
- Integral Peripheral Port [IPP] - serial and parallel capabilities via 36-pin sealed top connector
- Infra red serial connection

PCMCIA Capabilities
- Two type II or one type III PCMCIA slots

Power Supply
- Battery: 7.2 V lithium ion
- Capacity 2.2 Ah
- Charging time approximately 3 hours
- Operating time between charges: between one and five days depending on application design and peripherals
- Module life time: greater than 500 complete charge/discharge cycles

Loader/chargers
- Multi way and single way- giving a flexible approach allowing small to large populations of units to be efficiently supported

Accessories
- Optional integrated 3 inch [76mm] thermal printer
- Optional integrated laser scanner

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WET   DROP   CHILL   HEAT

As part of our policy of continuous product development, Radix reserves the right to alter this specification without prior notice.

All trademarks are acknowledged.

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