



**NEPTUNE®**

Neptune Technology Group Inc.

# DAP PC9800 Handheld Computer

*The PC9800 handheld computer works with route management software to provide a complete meter reading solution with advanced functions for water utilities.*



## Key Features

- With addition of HR2380 adaptor, capable of reading R900 RF MIUs, Advantage, and Pocket ProReader RF for integration of encoder water meters
- Advanced features
- High performance
- Rugged for harsh environments
- Compatible with EZ RouteMAPS or RouteMAPS® route management software

The PC9800 handheld computer works with route management software to provide a complete meter reading solution with advanced functions for water utilities. Its features and durable construction are perfectly suited to address meter reading applications and to interface with most common meter adaptors and probes.

### Features for the Future

With its high performance 386 processor, large memory, and MS-DOS compatibility, the PC9800 paves the way to performing a wide variety of field services.

PCMCIA capabilities, wireless RF links, and serial ports make this handheld computer the ideal platform for easy connection of peripherals, enabling a whole world of application opportunities. It can be configured with a choice of RF

adaptors (including PCMCIA-based) to collect data from RF meter interface units.

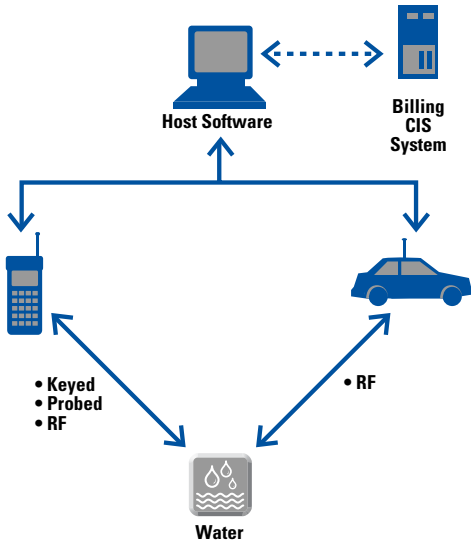
### Designed for Ease of Use and Harsh Environments

The rugged, ergonomically designed case was developed with the field user in mind. It enhances day-to-day performance and makes field work easier and more comfortable, even in harsh environments and extreme weather conditions.

With its large screen, the PC9800 offers customizable display resolution to adapt to the application and make all necessary information available at a glance.

PC9800 options include extra serial ports (RS232 or IrDA), larger memory (up to 13 MB SRAM internally and 5MB for RF), and backlit rubber keyboard.

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## Dimensions

Casing size:

- Height: 39 mm min., 60 mm max. (1.53" min., 2.36" max.)
- Width: 90 mm min., 104 mm max. (3.53" min., 4.08" max.)
- Length: 248 mm (9.74")

## Weight

1.9 lb. (840 g with batteries)

## Temperature

- Specified: -4°F to +122°F (-20°C to +50°C)
- Operating: -22°F to +122°F (-30°C to +50°C)
- Storage: -40°F to +158°F (-40°C to +70°C)
- Humidity: 95% non-condensing

## Environmental Resistance

- Resistant to various chemical products
- Shock resistant (meets MIL-STD-810E method 516.4 proc. 4, CEI 68-2-32)
- Sealed to keep out dust, humidity, and water (meets: MIL-STD-810E method 506.3 proc. 1 or method 512.3 proc.1)
- Withstands electrostatic discharge (meets: CEI-801-2)

## Certificates

- CE certified
- FCC, class A
- ISO 9001

## Accessories

- Ergonomic hand strap, adjustable for either right-handed or left-handed user
- Optional shoulder strap
- Real time clock

## Technical Specifications

- Processor
  - 386 processor 25 MHz, full PC compatibility
- Operating System
  - DOS Version 6.22
  - SystemSoft® 386 BIOS, Card and Socket Service

- Memory
  - Flash ROM for BIOS, DOS, communication and SETUP programs: 512 KB
  - Up to 13 MB SRAM (max 5MB for RF) Standard is 4MB
  - 8MB NAND memory type
- Display
  - LCD, dot-matrix, 200 x 200 pixels, FSTN, backlit screen
  - CGA-compatible text and graphics
  - Multiple fonts support up to 25 lines of 33 characters (RouteMAPs only)
  - Automatic temperature compensation
  - Contrast
- Keyboard
  - Highly ergonomic keyboard, tactile and audible feedback, 51 multifunction keys, including direct access cursors, functions and ESC keys
  - Single-hand typing feature
  - Keyboard has optional backlit rubber keys
- Power
  - On/Off switch, manual and automatic turn off
  - Rechargeable lithium-ion battery pack with intelligent fast-charge mode
  - Integrated charge status and low-battery indicator
  - Separate rechargeable lithium-manganese battery back-up for long data retention
  - Application independent power management and APM 1.1 support
  - Power gauge support for main battery
- Communication
  - DAP Infrared port to communicate with cradles (up to 38,400 bps)
  - RS232 port (LEMO connector), communication up to 38,400 bps



[www.neptunetg.com](http://www.neptunetg.com)

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