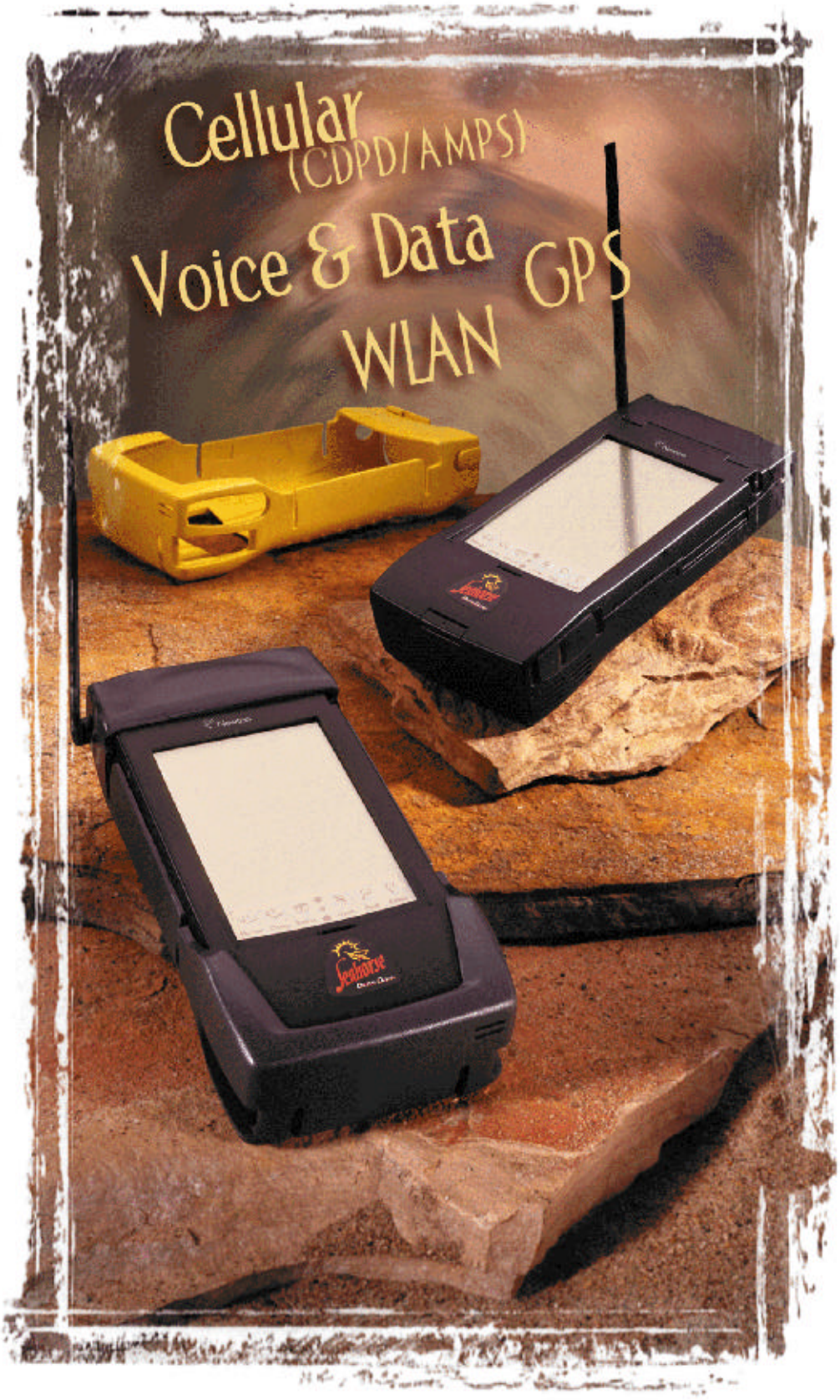
Wireless Handheld Internet Access



Seahorse

Seahorse is a pen-based handheld computer based on the Newton OS 2.0 platform. Backlit, lightweight and durable, this addition to the Digital Ocean product family also provides a variety of communication options.

Seahorse has integrated and modular communications options in addition to Newton's PCMCIA card slot. The integrated options include a dGPS, CDPD, GSM or WLAN modem. The snap-on modular nose options provide users with GPS, laser scanning, or diffuse IR communication capabilities. A rugged boot protects Seahorse, while a large capacity, slide-in rechargeable battery ensures long field use.

Seahorse is a powerful, affordable, mobile computing tool. Cross-platform functionality, hundreds of off-the-shelf applications and a robust development environment make Seahorse an innovative, effective mobile computing solution.

Seahorse provides remote, handheld access to customer service databases, wireless Internet access, and precise location information utilizing handheld GPS systems. With Seahorse, mobile users in isolated locations can access corporate and Internet databases to utilize critical data such as drawings, schematics, and manuals.

1.800.345.3474

DIGITAL OCEAN®

SPECIFICATIONS Seahorse SPECIFICATIONS

Physical Characteristics

Length	9.5”
Width	4.5”
Depth	2.5”
Weight	38 oz.

Operating Environment

Temperature	32º to 100ºF (0º TO 40º C)
Storage Temperature	-4º to 117º F (-20º to 47º C)
Transit Temperature	-4º to 149º F (-20º to 65º C)
Humidity	20 to 90%, non-condensing
Drop	3.5’ to concrete covered with 1/8” vinyl flooring

Communications Specifications

- World Wide Web forms capable browser available.
- Capable of communicating with a variety of serial, parallel, and network printers.
- Receive and store wireless messages. Wide area communications require integrated communications controller or PC messaging card.
- Intelligent auto dialing (DTMF or modem dialing)
- Use built-in NewtonMail with optional modem, exchange electronic mail with other NewtonMail subscribers, as well as subscribers of other on-line services.

Seahorse Intelligence

(Newton platform with 2.0 OS)

Newton Recognition Architecture

- Recognizes handwriting - printed, cursive, or a mixture of the two-with the assistance of a built-in 93,000 word list
- Lets you add up to 1,000 words
- 3 pop-up keyboards: typewriter, numeric, and phone pad
- Recognizes graphics and symmetrical objects

Newton Information Architecture

- Object-oriented database stores, finds, and links information and provides a flexible view of this data
- Easy creation of custom applications via the flexible graphical view toolbox
- Easy data sharing across applications

Newton Communications Architecture

- Provides built-in support for serial communications, PC card modems, sending and receiving faxes, and electronic mail
- Provides single interface for all communication services
- Provides improved performance with Internet communications applications and multitasking support
- Supports easy communications with minimum setup requirements
- Supports new communications capabilities through its modular design
- Supports Class II Fax

Intelligent Assistance Architecture

- Helps user complete repetitive tasks in multiple categories, including communications, scheduling, finding, and reminding functions
- Contains smart defaults to reduce complexity
- Works in and between applications
- Supports extensions by third-party developers

Hardware Architecture

- ARM 610 RISC processor at 20Mhz
- Apple custom system ASIC
- Low-power, transflective LCD display with integrated EL backlight (320 by 240 pixels) 3.8 in. by 2.8 in. (9.6 cm by 7.2 cm)
- Nonglare writing surface
- Telescoping pen
- 8MB ROM; 2.5 MB RAM (1,199K of system RAM; 1,361K of nonvolatile user RAM)
- PC Card slot: Type II with 325 mA capacity
- LocalTalk and RS-232-compatible serial port which also supports handset connection
- Low-power, half-duplex, infrared transceiver that works at up to 38.4 Kbits/sec within 3.28 ft. (1 m)

Power Source

- Slide-in NiMH rechargeable battery pack
- AC adapter
- External charger

Printer Support

- Built-in printer support for the Apple LaserWriter Plus (other PostScript-equipped LaserWriter printers), Laser Writer LS and Personal LaserWriter 300 as well as StyleWriter I and II printers.
- Works with most popular PC printers, including the HP LaserJet II, DeskJet 500, Canon BubbleJet 10e, and Epson LQ and FX using the Optional Newton Print Pack.

Integrated Communications Options

Radio - WLAN

• Frequency Band	902 - 928 MHz DSSS
• Data Rate throughput	2 Mbps raw
• Bit Error Rate	10^{-8}
• Transmit Power	250 mW
• Antenna	Dual Diversity
• FCC Certification	Class A
• Range	up to 500 feet (depending on environment)

Controller Radio LAN Administration

- AppleTalk ADSP or AppleTalk DDP-based Grouper Administrative Protocol is supported on the wireless port and the LocalTalk/Serial port
- Administrative protocol allows configuration of communication controller operating parameters and monitoring of communication controller operational-status and statistics

CDPD

- CDPD modem with optional voice capabilities, Cellular Data/Fax, Cellular Voice, Wireline Data/Fax, and Wireline Voice. This module complies with RS-232 protocol and supports the industry standard AT Commands and the Portable Computer Communication Association extensions for wireless operation.

GSM

- Digital cellular network for Europe and beyond.

dGPS

- Differential Global Positioning System

Modular Communications Options

(These options attach through the infrared port extending the length of the unit)

- GPS (Global Positioning System)
- Diffuse Infrared
- Laser scanner

Accessories

- Hand strap
- AC adapter

Optional Accessories

- Soft carry case
- External charger
- Neck strap
- Extra battery pack

11206 Thompson Avenue
Lenexa, Kansas 66219-2303
913.888.3380
Fax 913.888.3342

Internet: marketing@digitalocean.com
Web Page: http://www.digitalocean.com

Part No. DC1123C0