A new class of affordable mobile computer for education

Apple eMate 300

The Apple eMate 300 is a versatile mobile computer that helps you explore, learn and work anywhere—in a classroom or office, in a lab, outdoors, or at home.

The Apple eMate 300 is lightweight and rugged, and comes with built-in applications and communications capabilities that let students work anyplace, anytime.

Designed for education by educators

The Apple® eMate™ 300 is the first of a new class of affordable mobile computer that works as a companion to Mac® OS and Windows–based computers in a Distributed Learning Environment (see back page). Developed in collaboration with educators to meet the specific needs of education, the eMate 300's unique industrial design is rugged enough to withstand the rigors of being carried, shared, and used in a variety of environments. The eMate 300 is easily portable for even the youngest students—it weighs only 4 pounds and is small enough to fit in a backpack. And it lets users enter data by keyboard or with a stylus, so students can work the way that's best for them.

The eMate 300 features the powerful and easy-to-use Newton® operating system. It comes with built-in software applications that are important for learning—including word processing, drawing, spreadsheet, a graphing calculator, address book, calendar functions, and more. In addition, the eMate 300 can take advantage of hundreds of applications that have been developed for Newton OS 2.0, including applications designed specifically for education.

Gives more students access to the technology they need

While there are more computers in the classroom today than ever before, there are still not enough to go around. At an affordable price and with personalized workspace for multiple students, the eMate 300 makes technology accessible to a greater number of students than is possible with desktop computers.

Allows students to learn wherever learning takes them

The versatile functionality of the eMate 300 lets students do the majority of their critical learning wherever it's most appropriate—in the classroom, in libraries, in a lab, outdoors, or at home. With its incredibly long battery life and backlit screen that displays the width of a full written page, the eMate 300 makes it possible for students to work wherever they want, for as long as they want.

Easy communication and networking

Robust communications capabilities make the eMate 300 an especially useful tool in a Distributed Learning Environment. Students can share data and files they create on the eMate 300, with both Mac OS and Windows–based computers.* By doing preliminary work on the eMate 300 and then enhancing it on a desktop computer, students can use the eMate 300 as a perfect companion to the computers that already exist in the classroom or at home. The serial port, Newton InterConnect port, and PC Card slot make it easy to print, share, and back up any work done on the eMate 300. TCP/IP** capabilities—the protocol of the Internet—give students access to materials on the World Wide Web, and let them send and receive e-mail so they can conduct research and keep on top of lessons. And with built-in infrared technology, the eMate 300 lets educators and students "beam" their work to one another for quick, easy file sharing.

Apple Education

Apple eMate 300

What is a Distributed Learning Environment?

A Distributed Learning Environment provides learning for anyone, anytime, anywhere. It extends the reach of learning from the classroom to the library, lab, home, local communities, and the world. In the best Distributed Learning Environments, educators and students are able to take full advantage of a range of technology to make the extended learning environment more meaningful, effective, and engaging.

Four elements of successful learning

Apple's support of the Distributed Learning Environment concept is based on its commitment to four critical elements of successful learning experiences:

- Information access. Students and teachers need convenient access to information no matter where it resides.
- Communication and collaboration. Students and teachers need to be able to communicate and collaborate with other students, colleagues, and experts, anytime—anywhere.
- Multisensory experiences. Students and teachers need multimedia tools for understanding and expression, in addition to traditional educational methods, to help them communicate ideas in the way that is most appropriate to the task and compatible with diverse learning styles.
- Convenient, mobile tools. Students and teachers need personal learning materials (pencils, books, calculators, etc.) that are convenient, creative, and mobile support tools.

Building on schools' investments

As learning extends from the classroom to the home, local community, and the world, students and educators require a range of technology tools. Many schools already have some of the core technology components of a Distributed Learning Environment:

- Desktop computers—either Mac OS or Windows–based. This includes multimedia computers that are dedicated to letting students experience powerful, creative, multisensory learning by inte-grating text, video, sound, and graphics in their work.
- Peripheral products—such as printers, scanners, and digital cameras.
- Networks—ranging from a simple connection to a printer, to a local network of personal computers, to a connection to a server.
- Affordable mobile computer technologies—serving as a personal companion to existing desktop technologies in the classroom, school, and home.

Until now, few schools have had all of the core components of a Distributed Learning Environ-ment because low-cost mobile technologies were not available. Now, the missing technology link in supporting the learning process is found in the Apple eMate 300—the first in a new class of truly affordable, mobile computers that act as companions and extensions to schools' existing desktop computers.

Providing students the right tools

The Apple eMate 300 fulfills the vision of a Distributed Learning Environment. It is an affordable mobile computer that lets teachers create a learning environment in which students have the appropriate tools to gather data, access the information they need, express their thoughts, communicate with one another, and collaborate on solving problems.

Key features: Apple eMate 300

Built-in applications:

- Word processor, drawing program, spreadsheet program, graphing calculator, address book, calendar functions, and more

Operating software:

- Features the powerful and easy-to-use Newton Operating System 2.1

Connectivity software:

- Lets you share data files with both Mac OS, Newton technology-based devices, and Windows–based computers.*

Power and speed:

- 25-MHz ARM 710a RISC processor
- High-speed infrared (IrDA) port for transferring data wirelessly at up to 115 kilobits per second within 3.3 feet (1 meter)

Memory and storage:

- 3MB of RAM (1MB of DRAM and 2MB of flash memory); 8MB of ROM

Display:

- 480- by 320-pixel gray-scale LCD with backlighting; displays up to 16 shades of gray

Sound:

- Built-in speaker and sound output ports

Expansion:

- PC Card slot for Type I, Type II, or Type III PC Cards (such as memory or modem)
- Internal slots for upgrading software, operating system, and memory
- Serial port for connecting to printers, AppleTalk® networks and Mac OS or Windows—based computers
- Newton InterConnect serial port for LocalTalk® and RS-232-compatible serial connections, modem, power input/output, sound input/output

Size, weight, and battery:

- Dimensions: 12.0 by 11.4 by 2.1 inches (305 by 290 by 53 millimeters)
- Weight: 4 pounds (1.8 kilograms)
- Battery: Up to 24 hours of continuous use without recharging, depending on usage

Printer support:

- Works with Apple Personal LaserWriter® LS, Personal LaserWriter 300, StyleWriter®, and PostScript-equipped LaserWriter printers
- Works with most popular PC printers using the optional Newton Print Pack.

System information:

Single System

eMate 300 with built-in rechargeable nickel-metal-hydride (NiMH) battery, AC power adapter, CD containing connection software, user's guide, and teacher's guide.

Without setup: B3113LL/A $749

8-Pack Bundle

Bundle contains eight eMate 300 computers, each with built-in rechargeable nickel-metal-hydride (NiMH) battery, one CD containing connection software, one user's guide, and one teacher's guide.

Without setup: B3114LL/A $5,599

Information about Apple Education products and services can also be found on the Internet at **http://education.apple.com/**

**Cables not included*
***Requires a modem with dial-up access*