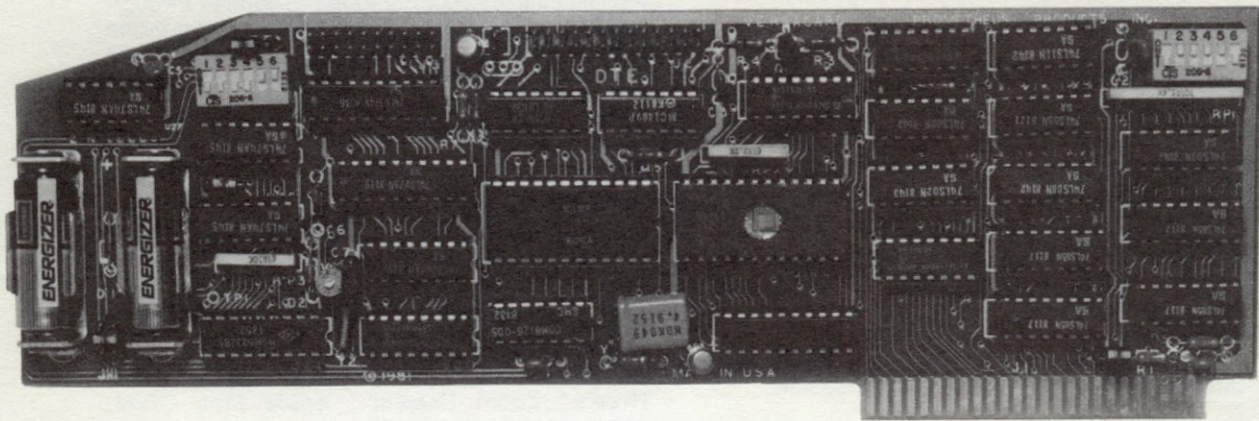




VERSACard



FEATURES

- 4 functions on one card SERIAL, PARALLEL, REAL TIME CLOCK/CALENDAR, BSR
- True simultaneous operation — Your APPLE thinks separate cards are installed
- Fully compatible with Apple Pascal,* CP/M,* and other APPLE* software
- No special disks or modifications to your APPLE
- Now, optional Graphitti Graphics Screen Dump Rom

DESCRIPTION

VERSACard provides the Apple user with the four most popular functions on one physical card. Through hardware address decode VERSACard looks to the Apple as if three different cards are installed: Serial, Parallel, Real time clock/BSR control interface. VERSACard's hardware maintains complete compatibility with CP/M and Apple Pascal with no need for special disks. In addition all standard Apple software using the PR# and IN# commands work normally.

The Parallel Output Port "looks" like an Apple Parallel printer card and is shipped for the Centronics standard. This allows immediate hookup to printers such as Epson, Oki data, IDS, C-Itoh, NEC, and Anadex. VERSACard is easily configured to work with other printers. When configured for Slot 1 of your Apple both CP/M and Apple Pascal recognize the Parallel Port as a printer and will direct output to it.

The asynchronous serial port is RS-232C standard, and uses the popular 6850 chip to maintain software compatibility with most existing software including, of course, CP/M and Apple Pascal. Crystal controlled baud rates from 50 to 19.2 K baud allow hookup to most any RS-232 type serial device from modems to line printers. Baud rates are easily set by a dip switch on the top of the board. The serial port "looks" like an Apple Communications card. When installed in Slot 1 it will act as a printer, in Slot 2 as a Remote INPUT/OUTPUT device and in Slot 3 as a console device. This is to maintain compatibility with most existing software.

The Real Time Clock/Calendar is accurate to 1 second. Maintaining a philosophy of compatibility with THUNDERCLOCK. This allows the user to have immediate access to numerous different software packages on the market that

Advanced products at down-to-earth prices.

will work with THUNDERCLOCK software commands. The RTC supports 4 different time formats including Mountain Hardware format.

Add the optional Home Controller (BSR Time and Event scheduler) software package and you can control various accessories in your house through your BSR X-10 Home Command Console. VERSAcad supports interrupts to allow background software packages (such as Double-time Printer or ASCII Express Pro) to run, or for general purpose use.

To install VERSAcad, simply put it in the Slot of your choice (except 0). The serial port shows up in this slot. The other two peripherals can be selected for any empty slot by addressing a simple switch. To gain an extra slot the Real Time Clock can be configured for the same slot as a Z-80 Processor board, such as Microsoft Softcard or ALS Z-Card. There are no modifications to make and no configuration programs to run. Put it in and you're up and running with just about any software package in the market.

The **firmware** on VERSAcad allows easy interfacing to most any peripheral device.

Firmware features include:

- Paging modes allow skipping over perforations in continuous feed paper.
- Terminal Mode — A simple "Dump Terminal" for communications with other computers such as the Source.
- Video On, Set line length, linefeed ON/OFF, and more.

When using an RS-232 modem (such as SMARTMODEM) Terminal mode allows the Apple to act as a terminal so you can communicate with host computers such as the Source. You can even print data being received through the modem on the VERSAcad parallel printer port. Half/full duplex is supported.

OPTIONS:

Home Controller Package: The Home Controller Package allows your computer to control, through software, almost any electric device in your home in an automatic scheduled manner. The Home Controller has a built-in Almanac and even a Coo-Coo Clock. It interfaces with the BSR control found on VERSAcad and is also fully compatible with the Thunderclock. This package also includes the Applications and Diagnostic Disk described below.

Graphitti Upgrade Rom: An optional rom that will upgrade your VERSAcad, allowing it to print the Apple high resolution graphic screens with a few simple keyboard commands. All firmware needed is fully contained within this optional rom. The Graphitti ROM is compatible with programs that will interface with the Grappler,* including PFS Graph,* Zoom Graphic,* Apple Plot, CP/M, Apple Pascal and others.

Applications and Diagnostics Package: This package has a number of programs that allow the user to check out thoroughly the functions on the VERSAcad. It includes clock set and clock read routines in Applesoft Basic. Source programs to read and set the time in Apple Pascal are provided. In addition, a routine is included to automatically set the date in Apple Pascal at initial boot up.

Part #:	Product Description:	Retail:
VCD	VERSAcad	\$199.00
HCR	Home Controller Package	\$ 50.00
AFD	Applications and Diagnostics Package	\$ 30.00
VCD-XXX†	Graphitti Upgrade Rom for VERSAcad	\$ 40.00

†XXX specify printer type

- EGR — Epson 80/100/With Graphtrax installed
- NGR — NEC 8023 or C-ITOH Prowriter
- OKD — OKI-DATA Microline Series with Graphics Roms installed
- PRM — IDS PRISM PRINTER (Non color version)

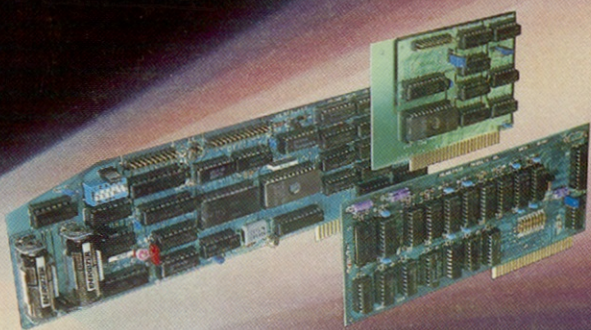
*CP/M is the trademark of Digital Research Inc.; Apple Pascal and Apple are the trademarks of Apple Computer Inc.; Grappler is the trademark of Orange Micro Inc.; PFS Graph is the trademark of Software Publishing Co.; Zoom Graphic is the trademark of Phoenix Software.



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45277 FREMONT BLVD. • FREMONT, CA 94538 (415) 490-2370

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