Coprocessors run 32-bit PC applications

Definicon Systems has released the DSI-32 family of 32-bit coprocessor boards for IBM-compatible PCs.

The DSI-32s use 32-bit VLSI circuits, including an NS32081 floating-point processor, which provides full 64-bit number crunching, and an NS32082 memory management unit for MS-DOS virtual memory functions.

The basic board includes up to 2M bytes of RAM and supports multitasking under AT&T's Unix operating system.

DSI-32's virtual memory system with demand paging provides 15M bytes of continuous (nonsegmented) memory.

Display processor for IBM RT

Orchid's TurboPGA professional graphics adapter for the IBM AT, RT, and compatibles is a single-slot board powered by an 8-MHz processor that allows drawing speeds of 20,000 vectors per second.

TurboPGA has a resolution of 640 x 480 with 256 colors displayable out of a palette of a quarter million colors. Other features include direct access to display memory through 3K movable windows; compatibility with EGA, CGA, MDA, and Hercules graphics adapters; and 2D and 3D command sets.

Prices for TurboPGA start at $1495. Contact Orchid Technologies, 47790 Westinghouse Dr., Fremont, CA 94539; (415) 490-8586.

Reader Service Number 50

Basic 2.0 for the Macintosh

Howard Sams & Co. has published Macintosh Programming Techniques, a 400-page paperback tutorial that concentrates on the features of Basic by function. It discusses a different aspect of the language in each chapter. Reference tables are provided for quick lookups.

Author David Willen begins with simple exercises for the beginner and progresses to more complex programs. Topics include Basic commands; common programming structures; graphics, icons, windows, and patterns; dialogue moving; and custom pull-down menus.

The book retails for $22.95. Contact Howard Sams & Co., Dept. R42, 4300 W. 62nd St., Indianapolis, IN 46268; (317) 298-5723.

Reader Service Number 47

Macintosh repair and maintenance

Chilton Books has published Guide to Macintosh Repair and Maintenance to show users how easy it is to diagnose and repair most malfunctions at home and to advise on maintenance.

Written by Gene Williams, the 10-chapter manual covers safety precautions, diagnosing the trouble, diskette and software concerns, disk drives, board troubleshooting, and system upgrading.

The paperback costs $12.50 in most bookstores. Send an additional $2.25 to order from Chilton Books, Radnor, PA 19089; (215) 964-4000.

Reader Service Number 48