DEC VAX-11 Systems

Product Enhancement

The VAX-11/782 is a new high-end VAX computer system with a performance capability of up to 80 percent above that of the VAX-11/780. The new computer is a tightly coupled asymetric multiprocessing system composed of two VAX-11/780 processors and an MA780 shared memory subsystem. The system is well suited for applications in multiuser environments requiring processing capacities greater than that of a single VAX-11/780. These might include structural analysis, electronic and mechanical design with interactive graphics, high-speed data analysis for seismic exploration, high-energy physic and quantum mechanics research, and large financial modeling.

A basic configuration of the VAX-11/780 includes two VAX-11/780 processors, two MA780 shared memory controllers with two megabytes of memory, 124 megabytes of disk storage, TU78 magnetic tape drive, eight-line asynchronous multiplexer, two LA120 DECwriter III console terminals, and the VAX/VMS operating system.

A VAX-11/782 upgrade option is also available for existing VAX-11/780 installations. The package consists of a VAX-11/780 central processing unit, two MA780 shared memory controllers, one megabyte of memory, LA120 console terminal, and associated cabinets and cabling. The field-installable option is priced at $180,000. Deliveries of the upgrade option are scheduled to begin in June. Complete VAX-11/782 system shipments will begin in early summer.

The new system has a maximum complement of eight megabytes of ECC MOS memory and accommodates VAX-11/780 options and peripherals such as the FP780 floating point processor, RP07, RM05 and RM80 disk drives, and Digital's families of video and hardcopy graphic and alphanumeric terminals.

A single copy of the VAX/VMS operating system is shared by both processors, avoiding software duplication and interprocessor contention for files. The VAX-11/782 is fully software-compatible with the VAX-11/780 and VAX-11/750 and will run all standard VAX software packages including DECnet-VAX, VAX-11 DBMS, VAX-11 DATATRIEVE, VAX-11 Common Data Dictionary, DECmail, and all VAX-11 high-level languages. User programs developed on other VAX systems will also run on the VAX-11/782.

Prices for the VAX-11/782 begin at $395,000.