DEC Datasystem 700 Series

New Product Announcement

In October 1980, DEC announced the newest and largest member of its family of commercial systems—the Datasystem 700 series. The new Datasystems are based on DEC's VAX-11/780 and the recently announced VAX-11/750. According to DEC, the Datasystem 700 series offers up to four times the performance of the Datasystem 500 series.

The D750 and D780 Datasystems are 32-bit systems that feature up to 4.3 billion bytes of virtual address space and up to 2 billion bytes of user program space, as well as information management capabilities compatible with other DEC Datasystems, including the VAX RMS file management system, the VAX-11 FMS forms utility, the DATATRIEVE query and report writer, and a selection of high-level languages including VAX-11 COBOL, VAX-11 BASIC, and PL/1. For data exchange between DEC Datasystems, DECnet facilities are available and data exchanges between DEC and non-DEC computers will be handled by various currently available communication protocol emulators.

The D750 Datasystems include from 512K to 2 million bytes of ECC MOS memory, memory management, 8K bytes of bipolar cache memory, self-test diagnostic routines, and bootstrap loading. On-line, direct or random access file storage control for up to 1.4 gigabytes is also provided. System devices are connected via the DEC UNIBUS and/or MASSBUS data path devices. Disk storage available includes removable disk pack drives with 28 or 67 megabytes per drive and non-removable units with 128 megabytes per drive. Magnetic tape subsystems available feature read/write speeds of 30, 45, 75, or 125 ips and data transfer rates of up to 200,000 cps. Also available are the VT100 video display terminal and the LA38 and LA120 hardcopy terminals, and printers ranging from 180 cps to 900 lpm.

The D780 Datasystems feature main memory ranging from 512K bytes to 8 million bytes, memory management, 8K bytes of cache memory, self-test diagnostics, and bootstrap loading. On-line, direct or random access file storage control for up to 2 gigabytes is also provided. The D780 features removable disk pack storage drives with either 67 megabytes or 256 megabytes of storage per drive.

Another feature of the Datasystem 700 series is the Customer Support Package designed specifically for the systems. DEC's Software Product Service combines with professional consulting services to provide full support for the VAX/VMS operating system and other Datasystem 700 software products. The Software Product Service is provided for one year. Consulting services are included for 15 days on the D780 and 10 days on the D750.

Prices for the D750 start at approximately $110,000 for a system including 512K bytes of memory, two 28-megabyte disk drives, VAX-11 BASIC, VAX-11 FMS, DATATRIEVE, and the Customer Support Package. The D750 will be delivered in volume beginning in April 1981.

A standard D780 configuration includes one megabyte of memory, a 124-megabyte disk drive, a high-speed tape drive, VAX-11 BASIC, VAX-11 FMS, DATATRIEVE, and the Customer Support Package, and is priced at approximately $250,000. Deliveries of this configuration will begin in January 1981. Other D780 configurations will begin shipments immediately.□