Five product enhancements announced

Chromatics has introduced five new product options for its CGC 7900 color graphics computer system. The Act I interface makes it possible to attach an Act I ink jet copier to the CGC 7900 system for copying raster images or ASCII text directly from the graphics computer display memory. Hardcopy printer interfaces are also available for Versatec's V80 printer and for any RS-232 printer. Additionally, hard-copy camera interfaces are available for Matrix and Dunn Instrument cameras.

The second option, the ROM Expander Card, is a digital circuit board that can expand the 7900's present ROM capability from 64K bytes to a maximum of 512K bytes (using four cards). In addition, the card can be modified so that at power up, user-written firmware of the expander card(s) is executed instead of the standard 7900 firmware.

The Remote Fixed Disk option extends the 7900's high-speed mass storage capability to a possible 80 megabytes (the drives come in either 10 or 40M-byte capacities).

The 9-Track Tape Interface is also available from Chromatics. This interface will support a number of standard tape drives, including Kennedy, CDC, Cipher, Pertec, and any manufacturer's tape drive that uses the standard Pertec interface.

Finally, the Digitizer Tablet option for the CGC 7900 is an 11 x 11-inch tablet with stylus and 5- or 16-button cursor. It interfaces with the CGC 7900 through any available serial port. With resident software support, the tablet can be used to digitize images by coordinate data point, implement menu selection, or paint. It also provides coordinate data for all CGC 7900 graphics primitives.

The Act I interface sells for $495; prices for the ROM Expander Card start at $1295, depending upon configuration; a 10M-byte Remote Fixed Disk costs $5995 ($10,995 for the 40M-byte drive); the 9-Track Tape Interface sells for $1495; and prices for the Digitizer Tablet begin at $2795.

Reader Service Number 38

Terminal offers users 1024 x 780 pixel resolution

The NJC-C1421 color graphics display terminal from the Nippon Computer Company combines a high-resolution color monitor, graphics processor, and communications package into a desktop unit.

The unit features a 14-inch raster scan CRT, 1024 x 780 pixel resolution, 16-color display (from a 27-color palette), and optional zoom and pan capabilities. It has serial and parallel ports, a built-in light pen interface, and video outputs for communications with a wide range of host computers and peripherals. The unit is also DEC VT-100 and Plot 10 compatible.

The NJC-C1421 is priced at $6995.

Reader Service Number 39

Low-cost graphics processors interface to most micros/minis

Vectrix Corporation has announced its VX series of high-resolution computer graphics processors. The VX128 graphics processor features 672 x 480 resolution, eight simultaneous colors, and high-level graphics commands for creation of 3-D vector images, with rotation, translation, scaling, and automatic polygon fill.

The VX128 uses a 16-bit Intel 8088 chip to translate commands from virtually any host microcomputer or minicomputer (via RS-232C serial or parallel ports) and the new NEC PD7220/GDC chip for high-speed generation of lines and arcs in a variety of dot and dash patterns and 1600-rs pixel update. A 128K RAM frame buffer with three bit planes provides individual pixel addressability in any of eight colors.

The VX128 connects directly to the IDS Prism color printer, and a "pass-through" command allows the host computer to access the printer without affecting the display. Interfaces for planned light pen and keyboard add-ons are also included in the VX128.

The VX384 graphics processor, an advanced version of the VX128, allows for 512 simultaneous colors from a palette of 16 million. It features a 384K-byte frame buffer with nine bit planes, a color look-up table, and eight-bit digital-to-analog converters, allowing for high-speed pixel color manipulation and bit-plane-based animation.

The VX128 and VX384 graphics processors are priced at $1995 and $3995, respectively. The Vectrix VXM 13-inch, high-resolution RGB monitor is recommended and is available for $1295. OEM discounts are available.

Reader Service Number 40

Senior Software Engineer

3-D Graphics

Tektronix has long recognized for its Graphics Technology and its professional work environment. We currently have an exciting opportunity available to join the team responsible for the design and implementation of 3-D graphic terminals.

The individual we seek, a senior software engineer, should be experienced in raster technology, and in 3-D technologies, including transformations, hidden line/surface techniques and shading/lighting models.

As a team member, the senior software engineer will participate in writing functional specifications, design and code reviews, work within a complex operating system environment, use in-circuit emulation for program debugging, program in assembly language and specify/develop microcode.

If you are interested in joining a company committed to state-of-the-art technologies and computer graphics, this may well be the opportunity you've been seeking. In addition to a competitive salary, Tektronix offers profit sharing for all employees so they can share in the fruits of their work, a comprehensive employee benefit program and an ideal geographical location (Portland, Oregon has been described as one of the most desirable from a quality of life point of view).

For further consideration, forward your resume including salary history to Tektronix, Inc., Information Display Division, Wilsonville Industrial Park, P.O. Box 1000, MS 63-658, Wilsonville, Oregon 97070.

We are an equal opportunity employer m/f/h.