Wireless mouse activates cursor controller

A "tail-less" mouse for the computer industry has been introduced by Display Interface Corporation. The DIC mouse has no cable attached; hence, an operator is unhindered in moving the mouse above the 0.2-inch-thick Datawafer that detects position.

The Datawafer system transmits position information any time the mouse is within three inches of the wafer surface. Thus, according to the company, the wafer can be mounted unobtrusively under a desktop or drawing board, for example. The operator moves the mouse on or above the desk surface to obtain corresponding movement of a cursor or other screen-displayed information.

The Datawafer cursor-positioning system consists of the mouse, which is powered by a self-contained rechargeable battery, and the wafer, which contains all of the passive position-detecting elements. Optional electronic circuitry for signal conversion is available to interface with data processing systems. The electronics package, or portions of it, can be eliminated, according to the user's needs. This package can be mounted on the bottom surface of the wafer, increasing its thickness to ½ inch, or it can be furnished as a separate plug-in card.

A Datawafer system with 12 x 12-inch tablet, controller, and either stylus, cursor, or mouse sells for $550. Other tablet sizes are available, and substantial quantity discounts are offered by the company.

Reader Service Number 51

OEM IMAGE PROCESSORS FROM IMAGING TECHNOLOGY.

High Performance, Low Price.

Introducing the IP-512: The first family of OEM image processing modules with high performance features available only on systems costing much, much more.

The IP-512 is a real-time image processor that's plug compatible with the INTEL MULTI-BUS and DEC Q-BUS.

It interfaces with any standard video source, stores images in single or multiple 512 x 512 frame buffers with up to 24 bits/pixel and includes a pipeline ALU for real-time image averaging, summation, subtraction and convolutions.

The modules include programmable I/O Transformation Tables and provide for B&W and RGB output.

Specialized applications include image analysis, factory inspection, medical imaging, industrial radiography, robotic vision and teleconferencing, among others.

For details call, (617) 938-8444. Or write to:
Imaging Technology Incorporated
400 West Cummings Park, Suite 4350, Woburn, MA 01801

Reader Service Number 26

Turnkey CAD/CAM system supports twelve workstations

Vector General has entered the turnkey CAD/CAM system market with the introduction of its System 8000. The System 8000 combines Vector General's VG 8250 display station and a full range of storage and other peripheral devices with the 32-bit System 312—an IBM-compatible mainframe manufactured and supported for Vector General by Motorola's Four-Phase Systems Group.

The System 8000 will run either Cadam Inc.'s Cadam software or Northrop Corporation's N-Cad software, or both concurrently. Comparative in power, according to the company, to the IBM 4341-1 or the System/370 Model 148, the System 312 computer can support up to 12 VG 8250 display stations and communications lines in a Cadam environment. Support options available include plotters, digitizers, and large screen displays.

The total hardware cost for a 12-station system is $540,000, or $45,000 per workstation. This System 8000 set also includes 4M bytes of active memory, 400M bytes of disk storage, a 1600 bpi magnetic tape drive, a 600 lpm printer, three selecter channels, and an integrated communications controller.

Reader Service Number 52

Artel Communications Corporation's fiber optic T/R-2012 plug-in transmit/receive modules can send and receive high-resolution computer-generated video up to 100 times farther than is possible with conventional coaxial cable, according to the company. The fiber optic system bandwidth accommodates either 640 x 512 or 512 x 512 pixel resolution. Both RGB color and monochrome video signals can be handled by the system for distances of up to 7500 feet. Dual BNC connectors are plug-compatible with virtually all monitors and display generators. The modules are priced at $2050 per set.

Reader Service Number 53