DSP development tools available from TI

Texas Instruments has announced increased support for its TMS320C25 digital signal processor. Three development tools, an assembler/linker, a software simulator, and an in-circuit emulator, are designed to support the DSP's hardware and software.

The assembler/linker allows code for the TMS320C25 and TMS32020 processors to be developed. Two versions are available, one for the IBM PC and one for the DEC VAX. The software simulator allows users to debug and verify a program in non-real-time. The simulator can associate files with I/O ports, allowing repetition of I/O values during test and debugging. It is also available in MS-DOS and VMS versions.

The TMS320C25 emulator is a self-contained extended development system for full-speed in-circuit emulation and real-time 100-ns instruction cycles. It sets real-time hardware breakpoints/trace to monitor register and memory content during code execution.

TI also supports its DSP with a bulletin board service reached by dialing (713) 879-2091, the TMS320 DSP Applications Book with application-specific source codes and common DSP routines, and a DSP question hotline staffed by TI engineers and reachable on (713) 879-2320.

The assembler/linker sells for $500, the software simulator, for $1500, and the emulator, for $13,500.

Reader Service Number 49

Data entry terminal announced

The base unit of Burr-Brown's TM8450 features a backlit LCD and a 23-key numeric keyboard. Eight keys can be programmed for 16 separate functions.

Burr-Brown has introduced a micro-terminal for numerical data entry. The TM8450 accepts data both manually and through automatic identification interfaces such as bar-code wands, laser scanners, and magnetic-strip readers.

The TM8450 can be used as a display, it can send and receive block mode data, it can be combined with other TM8450's in a multidropped system, or it can be used as a trouble-shooting and diagnostics communications monitor. Operational modes, baud rate, protocol, and other parameters are established interactively, using the function keys, at the time of initial setup. French, German, and English prompts help users make selections that can be stored in local memory.

Burr-Brown's TM8450 base unit is priced at $795 and is available from stock.

Reader Service Number 50

RS-232 network analyzer introduced

Datamon from Standard Logic is a communications analyzer, monitor, and patch panel designed for real-time testing of RS-232 networks.

Compatible with most data terminal equipment, the Datamon analyzer allows users to view a real-time data transfer in different formats and record data to its 32K-byte buffer memory. Datamon also provides breakout box capabilities, status LED monitoring, baud-rate conversion, and data-pattern triggering through its on-screen menu-driven firmware.

Single-quantity price of Standard Logic's Datamon with carrying case and accessory pack is $795. Discounts are available.

Reader Service Number 51

Floating-point coprocessor plugs into 80386

Weitek Corporation's 1167 floating-point math coprocessor plugs into the Intel 80386 microprocessor for personal computer and workstation processing applications. The board, also compatible with the 80387 coprocessor, consists of floating-point math chips and a proprietary interface controller developed by the two companies.

The capability of the 80386 to run multiple operating systems allows the 1167 and the 80387 math coprocessor to run different applications concurrently. Software support for the 1167 includes high-level C, Fortran, and Pascal compilers; it is supported under the Unix V/386 operating system.

Weitek's 1167 coprocessor is available now for $950 each or $500 in quantities of 10,000.

Reader Service Number 52

Reader Interest Survey

Indicate your interest in this department by circling the appropriate number on the Reader Interest Card.

High 180  Medium 181  Low 182