Software release emulates System/36

Baby/36 Release 3.4 software from California Software Products emulates the operating system of the IBM System/36 minicomputer's System Support Program Release 4.0. It permits the development and execution of RPG II programs on IBM PC, XT, AT, and compatible systems standing alone or linked in IBM or Novell local area networks.

Included in the new release are operation codes for creating conditional operations and program loops. These are

Case, Do, Do until, Do while, and If-then-else.

Stand-alone Baby/36 Release 3.4 is priced at $700 for execution-only versions; complete RPG II systems cost $3500, and LAN versions start at $1500 plus $100 per linked device.

California Software Products, 525 North Cabrillo Park Drive, Santa Ana, CA 92701; (714) 973-0440.

Reader Service Number 35

PC interface controls Bitbus network

Intel Corporation has introduced an interface that allows an IBM PC or compatible to control a Bitbus distributed control network. The iPCX 344 board, along with the real-time kernels embedded in the company's Bitbus remote control boards, provides users with a distributed, real-time multitasking environment for use in the control applications area.

The board uses an 8044 microcontroller and fits into the short slot of a PC, XT, AT, or compatibles. It supports processor speeds of 4.77 MHz, 6 MHZ, and 8 MHz and the Bitbus interconnect in synchronous, 2.4M-bps modes and self-clocked, 375K-bps or 62.5K-bps modes.

The iPCX 344 boards cost $450 each.

Intel Corp., Literature Dept., #W337, 3065 Bowers Avenue, PO Box 58065, Santa Clara, CA 95052-8065.

Reader Service Number 36

Device combines RAM, real-time clock

Timekeeper from Thomson Components-Mostek Corporation integrates a real-time clock with a battery-backed CMOS RAM in a single dual-in-line package. The device combines a crystal, a lithium battery cell, and 2K x 8 CMOS static RAM with on-chip write-protect, power-fail detect/power-switching, and clock circuits.

Available with access times from 120 ns to 250 ns, Timekeeper fits into JEDEC standard 24-pin SRAM, EPROM, or EEPROM memory sockets.

Timekeeper is available as MK48T02, which offers a 4.75V to 5.40V power-fail-detect range, and as MK48T12, offering a 4.50V to 2.40V power-fail-detect range for users constrained to a ±10-percent power supply specification.

MK48T02 prices begin at $16.29 and MK48T12 prices at $17.10, both in quantities of 100.

Thomson Components-Mostek Corporation, 1310 Electronics Drive, Carrollton, TX 75006; (214) 465-6000.

Reader Service Number 37

MS-DOS emulated for 68000 processors

Phoenix Technologies has announced a "software coprocessor" technology, which enables manufacturers of computers based on noncompatible processors, such as the Motorola 68000 family, to offer an MS-DOS-based, PC-compatible operating mode through software emulation.

Soft Co-Processor provides a PC XT-compatible environment that supports existing I/O controllers. It supports PC applications in systems containing the required floppy-disk controllers; for systems without floppy hardware, it supports most copy-protected and all unprotected software. Soft Co-Processor functions like hardware coprocessors, trapping and responding to all I/O functions with emulation software. It also includes emulation software that remaps the Intel processor instruction set to the host system's native processor.

Pricing is available from the company.

Phoenix Technologies, 320 Norwood Park South, Norwood, MA 02062; (617) 769-7020.

Reader Service Number 38

PC drive provides 320M bytes of storage

Storage Dimensions has introduced a 320M-byte, internal dual hard-disk drive subsystem for IBM PC ATs and compatibles. The AT160F is also available in a single-drive, half-capacity version.

The AT160F has an access time of under 30 ms and is compatible with the AT and its standard Western Digital controller card. It comes in a "plug-and-play" kit, which includes Maxtor's XT2190 28-ms, 5.25-inch drive; a custom ROM BIOS chip set from Award Software; and SpeedStor hard-disk integration software.

Suggested unit retail prices for four AT160F configurations begin at $5795.

Storage Dimensions, 14127 Capri Drive, Los Gatos, CA; 95030 (408) 370-3304.

Reader Service Number 39

SRAM achieves 45 ns access times

The Motorola MOS Memory Products Division has introduced a fast static random access memory device, the MCM 6164. The 8K x 8 MCM6164 uses the silicon process for 45-ns and 55-ns access times, while consuming under 90 milli-ampere of power.

The SRAM is capable of speeds necessary for cache memory, video applications, engineering workstations, and automatic test equipment. It is available in a 600-mil, 28-pin, CERDIP package with JEDEC standard pinout at 45 and 55 ns.

MCM 6164AC5 sells for $15 and MCM 6164C45 for $19.50 in quantities of 100.

Motorola Inc., MOS Memory Products Group, PO Box 6000, Austin, TX 78762; (512) 928-6711.

Reader Service Number 40

Reader Interest Survey

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

High 186 Medium 187 Low 188