

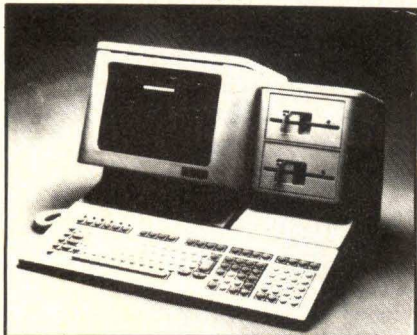
Faster chip PC compatibles



The 3000 series uses the 80186 running at 6 MHz so all software can run up to four times faster than on the PC or PC XT. The 3001 version offers two half-height 5¼-in. diskette drives and 256 Kbytes of RAM. The 3002 offers one half-height 5¼-in. drive, one half-height 5¼-in. Winchester (10 Mbytes), and 256 Kbytes of RAM. The keyboard is fully compatible with the PC and XT. No cooling fan is required due to very low power consumption and convection cooling. A single-board, built-in 300/1200 baud smart modem is optional. Prices range from \$2995 to \$3995. **Ivy Microcomputer Corp.**, 220 Ballardvale St., Wilmington, MA 01887. **Circle 276**

Multiple micro system

With a variable processor architecture, the Convertible changes easily from one multiple configuration to another via plug-in boards. It operates concurrently with up to three different micros using different operating systems. Equipped with both Z80H and T1995 micros, it can be expanded to include 80186/286 and 68000. Prices start at under \$6000, which includes 128 Kbytes of RAM (expandable to 1 Mbyte), diskette drive, video display, DIN standard keyboard, and a letter-quality printer. **Omnicom**, 5717 Corsa Ave., Westlake Village, CA 91362.



Circle 277

Computer with 10-MHz operation

The 68000-based SBE-250 features no wait state dual-ported RAM, a choice of three operating systems, and a six-slot Multi-bus card cage for expansion. The computer has 256 Kbytes of RAM; 320-Kbyte, 5¼ in. floppy; 10-Mbyte, 5¼ in. Winchester; parallel I/O; and two serial I/Os. Options include a 40-Mbyte Winchester, a Centronics parallel printer port, and an intelligent 10-channel serial I/O board. Operating systems are Unix-compatible Regulus, CP/M-68K, and PolyForth/32. Price is \$4795. **SBE, Inc.**, 4700 San Pablo Ave., Emeryville, CA 94608.

Circle 278

Multiprocessor/user system

The heart of the Dimension system is a single-board 80186 processor and a 13-slot IBM bus. Supporting up to 12 workstations, the system gives each user a dedicated processor attached to the bus. This CPU is an 8088-2, which is a faster version of the 8088. Operating system is compatible with PC-DOS 2.0 and

has built-in electronic mail capability. Standard equipment includes one 360-Kbyte floppy drive, one 15- or 30-Mbyte fixed disk, and add-in spaces for other drives. Complete system with 15-Mbyte hard disk is \$7000. **North Star Computers, Inc.**, 14440 Catalina St., San Leandro, CA 94577.

Circle 279

Multi-user microcomputer

The 186 series implements a multi-user version of Concurrent CP/M-86, as well as Oasis-16 or MBOS/BB3. Based on the 8-MHz 80186, the computer comes with 256 Kbytes of memory that expand to 512 Kbytes in 256-Kbyte increments. Ports include six RS-232-C, one 8-bit parallel, and two disk/tape expansion. Display features a 14-in. nonglare blue or green phosphor screen and a 256 ASCII character set with graphics. Intelligent keyboard with multilevel programmable function keys frees the system processor to handle interactive processing. Price is \$4495. **Onyx Systems, Inc.**, 25 E Trimble Rd., San Jose, CA 95131. **Circle 280**

SYSTEM ELEMENTS

Signal-protected preamp

The Si1000 combines a low noise, low leakage FET, two diodes, and an optional resistor on a single die. It matches the impedance of infrared sensors and works equally well with electret or crystal microphones and electrostatic proximity sensors. Diodes protect the FET from any input signal voltage spikes. Typical gate-to-source breakdown voltage is 40 V with typical gate reverse current at 1 pA. Saturation drain current is 0.2 to 4 mA and gate-source cutoff voltage is typically 2 to 3 V. Unit price is \$0.60 for 5000 pieces. **Siliconix Inc.**, 2201 Laurelwood Rd., Santa Clara, CA 95054.

Circle 281

Low cost mouse

The compact controller employs optical encoding techniques offering 160 logic states/in. of travel high resolution. It offers high reliability with 1000 miles of travel. The RK280 is built with a modular construction and a user-removable ball. Usable on any flat area, it requires

minimal operating surface. Interface is Schmitt trigger with quadrature output pulses. Options include RS-232-C interface and connector-type and pin assignment, as well as colors, shapes, and cable lengths. Prices range from \$50 to \$145 depending on quantity. **Optomicron Inc.**, 430 Ferguson Dr., Mountain View, CA 94043.

Circle 282

Tactile or linear feel keyboards

In two different keycap styles, the Next Generation Keyboard combines low cost, full travel, and sealed silver contacts for long life. Low profile KB IV sculptured keycaps are top mounted and removable. Smaller KB II keycaps are low profile and rectangular. The tactile model uses a dome-shaped silicone elastomer layer, while the linear version employs a conical-shaped metal spring. Based on an 83-key array, cost is \$0.57 per key position, or \$45 for a fully encoded serial output keyboard. **Cherry Electrical Products Corp.**, 3600 Sunset Ave., Waukegan, IL 60087. **Circle 283**