

**Plexus Computers**

3833 N First St  
San Jose CA 95134

(408) 943-9433

**P/25**

**Overview** The Plexus P/25 is a UNIX-based desktop microcomputer featuring up to 2MB of main memory. P/25 supports up to 16 interactive users simultaneously, an 8-inch Winchester disk drive with up to 72MB of storage, 8 serial I/O ports, and a parallel printer port.

P/25 operates under the AT&T version of UNIX III.

P/25 features self-test diagnostics and a system diagnostic port to facilitate fault isolation and maintenance. Plexus Computers provides maintenance and support for the system.

**System Design** The P/25 is based on the 16-bit Zilog Z8000 microprocessor with 512KB of error-correcting main memory expandable to 2MB. Up to 16 interactive users can be supported simultaneously. In a typical P/25 configuration, the job processor and two I/O processors are linked. During operation, the job processor performs computation and operating system functions, while I/O processors handle disk, tape, and serial I/O. A battery-operated real-time clock gives the job processor continuous access to the actual date and time of day.

P/25 includes an intelligent mass storage processor (IMSP) that has its own 16-bit processor and 128KB of local memory. The IMSP controls up to four 22MB, 36MB, or 72MB Winchester disk drives and a 1/4-inch streaming cartridge tape drive with a 20MB capacity.

The 8 serial ports are RS-232C compatible and feature modem control lines to support standard asynchronous and synchronous modems. Each port handles asynchronous or bisynchronous protocols at software-selectable rates up to 19.2K bps. The parallel port is designed to support a line printer with a Centronics-type parallel interface.

P/25 can also be linked with a Xerox Ethernet LAN to form an integrated processing complex.

P/25 operates under UNIX III. Programs developed in C, COBOL, BASIC, FORTRAN, and Pascal are source code compatible across the Plexus Computers product line.

**Competition & Pricing** Competition for the P/25 includes the Computer Automation Omnix 186, Intel 86/300x, and Molecular Computer Supermicro 16.

The P/25 is priced at \$14,950.

**Plexus Computers**

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**P/35**

**Overview** P/35 is a 16-/32-bit desktop microcomputer supporting up to 2MB of main memory. The P/35 supports up to 16 interactive simultaneous users, a Winchester disk drive, 8 serial I/O ports, and a parallel printer port. A 1/4-inch streaming cartridge tape drive provides storage backup.

P/35 operates under the AT&T UNIX III. Written in C, UNIX also supports several high-level programming languages.

Self-test diagnostics and a system diagnostic port facilitates fault isolation and maintenance for the P/35. Maintenance is provided by Plexus Computers.

**System Design** P/35 is based on the 16-/32-bit Motorola MC 68000 processor with a 4KB cache memory, on-board RAM bank, high-speed memory map, and 512KB of error-correcting memory. Processor memory is expandable to 2MB. Data moves between the cache and main memory over a 32-bit dedicated memory bus. P/35 supports up to 16 simultaneous users.

P/35 includes an intelligent mass storage processor (IMSP) that has its own 16-bit processor and 128KB of local memory. The IMSP controls up to four 8-inch 22MB, 36MB, or 72MB Winchester disk drives and a 1/4-inch streaming cartridge tape drive with a 20MB capacity.

The 8 serial ports are RS-232C compatible and feature modem control lines to support standard asynchronous and synchronous modems. Each port handles asynchronous or bisynchronous protocols at software-selectable rates up to 19.2K bps. The parallel port is designed to support a line printer with a Centronics-type parallel interface.

P/35 can also be linked with a Xerox Ethernet LAN to form an integrated processing complex.

P/35 operates under UNIX III. Programs developed in C, COBOL, BASIC, FORTRAN, and Pascal are source code compatible across the Plexus Computers product line.

**Competition & Pricing** Competition for the P/35 includes the Callan Data Systems Unistar 100, AT&T 3B2/300, and Pertec Computer SYSTEM 3200.

The P/35 is priced at \$16,950.

