

Plexus Computers

3833 N First St
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(408) 943-9433

P/40

Overview P/40 is a UNIX-based supermicrocomputer designed to support up to 40 interactive users. The P/40 features up to 4MB of main memory, 14-inch Winchester disk drives, serial I/O ports, and a parallel printer port.

P/40 operates under AT&T version of UNIX III. Written in C, UNIX also supports BASIC, COBOL, FORTRAN, and Pascal.

P/40 features self-test diagnostics and a system diagnostic port to facilitate fault isolation and maintenance. Maintenance and support are provided by Plexus Computers.

System Design P/40 is based on the 16-bit Zilog Z8000 microprocessor with 512KB of error-correcting memory expandable to 4MB. Up to 40 interactive users can be supported simultaneously. In a typical P/40 configuration, the job processor and 2 I/O processors are linked. During operation, the job processor performs computation and operating system functions while the 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/40 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 14-inch 72MB or 145MB Winchester disk drives and a 1/2-inch, 9-track, 1,600-bpi tape drive.

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 HDLC protocols at software-selectable rates up to 19.2K bps. The parallel port is designed to support line printer with a Centronics-type parallel interface.

P/40 can also be linked with a Xerox Ethernet LAN to form an integrated processing complex.

P/40 operates under UNIX III. Programs developed in C, COBOL, or other high-level programming languages are source code compatible across the Plexus Computers product line.

Competition & Pricing P/40 systems compete with the Callan Data Systems Unistar 100 and Pertec Computer SYSTEM 3200.

The P/40 is priced at \$37,950.

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P/60

Overview P/60 is a 16-/32-bit supermicrocomputer featuring up to 4MB of error-correcting main memory. The P/60 supports up to 40 interactive users, 290MB of Winchester disk storage, 8 serial I/O ports, and a parallel printer port.

P/60 operates under the AT&T UNIX III. Written in C, UNIX also supports BASIC, COBOL, FORTRAN, and Pascal.

P/60 features self-test diagnostics and a system diagnostic port to facilitate fault isolation and maintenance. Plexus Computers provides maintenance and support for the P/60.

System Design P/60 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 memory. The processor memory is expandable to 4MB. Data moves between the cache and main memory over a 32-bit dedicated memory bus.

P/60 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 14-inch 72MB or 145MB Winchester disk drives and 1/2-inch, 9-track, 1,600-bpi magnetic tape for system backup.

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/60 can also be linked with a Xerox Ethernet LAN to form an integrated processing complex.

P/60 operates under UNIX III. Programs developed in C, COBOL, or other high-level languages are source code compatible across the Plexus Computers product line.

Competition & Pricing Competition for the P/60 includes the Callan Data Systems Unistar Series and Pertec Computer SYSTEM 3200.

The P/60 is priced at \$42,950.