

ALTOS

ALTOS 386 Series 500 Multi-User Systems



The ALTOS 386
Series 500
Multi-User Systems

Finally, an economical Multi-User System designed to meet the changing needs of today's computing professionals; The Altos 386 Series 500 Multi-User System.

The Series 500, supporting up to eight users, is the entry level member of the Altos 386 Series line of Multi-User Systems. By utilizing an expandable modular design, The Series 500 protects your investment into the future. As technology advances, a Series 500 user merely removes the existing board and replaces it with the newer version. Non-obsolescence... pure and simple.

Combining high-performance and low-cost, The Series 500 is a powerful multi-user computing engine that executes all the popular software solutions available in the marketplace today.

The Series 500 runs under the Altos System V Operating System or MS-DOS[®], offering users a wide range of software packages from Altos and other 3rd party UNIX[®] and DOS vendors.

Additionally, The Series 500 can be used as a workstation on our intelligent network cluster.

Features

- Intel 80386 operating at 16MHz
- 80387 Coprocessor Support
- Up to 16 MB zero wait state parity checked RAM
- 40, 70, 100, or 200MB hard disk drive with RLL ST506 controller
- 1.2 MB 5¼" floppy disk drive
- Eight industry standard 8-bit and 16-bit expansion slots
- 2 serial ports on board
- 1 parallel port on board

- 8 user serial I/O board (optional)
- 60 MB Streaming Tape (optional)
- 5 storage device openings to accommodate a mixture of full or half height devices
- Accepts IBM PC/AT compatible keyboard
- Altos Display Terminal compatibility

Performance and Expandability

The Series 500 is designed around the Intel 80386 microprocessor, with 2 MB of user memory. As your needs grow, so can The Series 500. System memory can be expanded to up to 16 MB.

Communications

Additional users can easily access the Series 500 via the optional 8 user Serial Input-Output (SI/O) board. To assure quick response in a multi-user environment, a dedicated 80186 microprocessor located on the I/O board speeds transactions between display terminals and the Series 500.

Integrating Industry Standard Software

The Series 500, utilizing the merged Altos System V Operating System, provides AT&T UNIX System V Release 3.1 and Xenix compatibility. By merging UNIX and Xenix, Altos System V protects your existing software investment. Users who have applications on other AT&T UNIX or SCO Xenix-based systems can move to the Series 500 without the need to convert or otherwise modify their existing environment or software. Altos System V conforms to AT&T UNIX System V Interface Definition (SVID), and complies with the System V Verification Suite (SVVS). This powerful operating system, combined with the comprehensive set of application software solutions available from Altos, effectively meets the demands of your specific computing environment. Alternately, Microsoft® MS-DOS 3.3 is available from Altos for single-user, single-task operation of the Series 500.

Languages

The Altos 386 Series 500 provides a powerful software development environment. Our optimised C compiler is available with a wide range of industry standard languages including BASIC, COBOL, DBL,[™] FORTRAN, and Pascal.

Support

Altos customer support programs for the Series 500 provide maximum security for the end-user.

These programs include:

- Technical Support—a comprehensive program of system updates and technical assistance.
- Training—basic and advanced classes are offered year-round for both hardware and software products. Classes are held at our training facilities or may be held at a customer site for large groups.
- Service contracts
- “Advice Line”—telephone support for the user on system configuration and administration.

Meeting your needs

Speed, power, and flexibility merged with the ability to run literally thousands of UNIX and DOS applications make the affordable Altos 386 Series 500 an intelligent and reliable solution to your entry-level multi-user needs.

Specifications

Hardware:

Processor: 80386 processor running at 16MHz.

Coprocessor: 80387 coprocessor socket (80387 optional).

RAM: 2MB, zero wait state, with parity check.

RAM expansion: Two 32-bit memory slots for up to 16Mb.

I/O: 2 serial connectors and 1 parallel connector on backplane.

Expansion I/O: 8-user serial I/O board.

Clock: Battery backed-up clock/calendar.

Expansion: Six 8/16-bit PC-AT slots, Two 8 bit slots.

Future Expansion: One 32-bit slot.

Floppy: 1.2MB internal 5¼" floppy disk with controller capable of supporting up to two 3½" or 5¼" floppy drives.

Hard Disk Controller: Two device RLL ST506 controller.

Hard Disk Drives: 40MB half height unit, 70MB, 100MB, or 200MB full height unit. (Access less than 30ms). (Quoted sizes are absolute minimum formatted).

Cabinet: Five accessible half height drive slots.

Diagnostics: PC/AT-compatible ROM BIOS running in RAM with power on diagnostics.

Power Supply: 220 Watt power supply, 90V-132V and 180V-260V input voltage 47Hz-63Hz input frequency Power on and run indicator LEDs.

Reset: Externally accessible reset button.

Audio: Internal speaker device.

Keyboard: Accepts PC/AT-compatible enhanced 101 or 102 key keyboard connected via DIN connector on backplane.

Monitor: Hercules compatible graphics card and monitor required for console function (not supplied).

Terminal: Altos Terminal (not included in base system).

Software

Altos System V version 5.3 or later (not included in base system) required for 40MB and 70MB hard drive.

Altos System V version 5.3 aS2 or version 5.3 aT2 (not included in base system) required for 100MB and 200MB hard drive.

Microsoft MS-DOS version 3.3 or later (not included in base system).



Altos Computer Systems
2641 Orchard Parkway
San Jose, CA 95134
(408) 946-6700

Altos Computer Systems, Ltd.	Altos Computer Systems
Altos House, 1 London Road	4, Rue Diderot
Slough	92150 Suresnes
Berkshire SL3 7XA	France
England	Ph. 47-72-26-62
Ph. (44.753) 23024	Telex: 614805 Altos F
Telex: 849139 Altouk G	FAX: 42-04-57-44
FAX: (44.753) 693739	

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