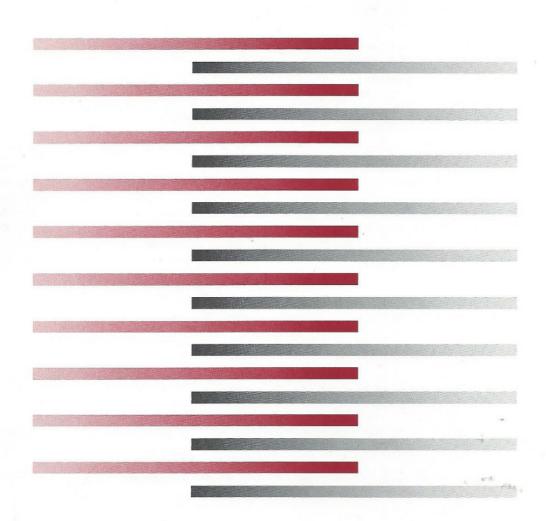# ALTOS HARDWARE
PRICE LIST

Operating Systems
Communications Software

June 1, 1986

▲ Altos 3086

The Altos 3086 offers a superior design for support of up to 32 users. Using both an Intel 80286 operating at a fast clock rate of 12.5 MHz and an efficient networking of users by a single multi-drop cable, the Altos 3086 is in a class by itself. Auxiliary microprocessor-based File Processing and Communications boards, together with state-of-the-art ESDI Disk Drives, further enhance its performance. The Altos 3086 is the flagship system of the Intel-based product line with capacity to spare. It includes support for up to 8 MB of memory, and 510 MB of ESDI Disk storage. Each system comes standard with: PC-AT compatible diskette drive, 5¼″ Winchester hard disk, streaming cartridge tape drive, Multidrop interface including two 50′ multidrop network cables, two 15′ multidrop drop cables and associated junction boxes and terminators, two TCU-8 Terminal Cluster Units, one RAM board, and an Altos IV terminal with cable.

Model Number	Number of Users	I/O Ports	RAM Memory	CPU	Disks	Tape Drive	Suggested List Price
3086-4-170	1-32*	1 WorkNet 1 Multidrop 4 Serial	4 MB	80286 12.5 MHz	Floppy, 1.6 MB ESDI, 170 MB 28 msec	¼″ 60 MB Streaming	$29,990

*Requires additional TCU/s
Note: XENIX Operating System is ordered separately.
Note: If desired with floating point co-processor installed, must specify FP and add $495 to above prices.
Note: Substitution of Altos III terminal in place of standard Altos IV terminal, add additional $300.

▲ Altos 1086/2086

This system offers minicomputer performance with a unique floorstanding design. Expansion boards and add-on disks are easily installed within its cabinet, and separate 16-bit microprocessors handle terminal activity and file transactions. Up to two more disks can be added as well as memory and serial communication expansion boards. Each system contains a PC/AT compatible diskette drive, 5¼″ Winchester hard disk, streaming tape drive, parallel printer port, 10 or 20 serial ports with 128 KB of on-board RAM, CPU board, one, two, or four MB RAM, and an Altos III terminal with cable.

Note: If desired with floating point co-processor installed at order time, must specify FP and add $495 to above prices.
Note: XENIX is ordered separately.

Model Number	Number of Users	I/O Ports	RAM Memory	CPU	Disks	Tape Drive	Suggested List Price
1086/1-50	1-10	10 Serial 1 Parallel	1 MB	80286 8 MHz	Floppy, 1.6 MB Winchester 50 MB, 30 msec	¼″ 60 MB Streaming	$14,990
1086/2-50	1-10	10 Serial 1 Parallel	2 MB	80286 8MHz	Floppy, 1.6 MB Winchester 50 MB, 30 msec	¼″ 60 MB Streaming	$16,490
1086/1-80	1-10	10 Serial 1 Parallel	1 MB	80286 8 MHz	Floppy, 1.6 MB Winchester 80 MB, 30 msec	¼″ 60 MB Streaming	$16,990
1086/2-80	1-10	10 Serial 1 Parallel	2 MB	80286 8 MHz	Floppy, 1.6 MB Winchester 80 MB, 30 msec	¼″ 60 MB Streaming	$18,490
2086/2-80	1-20	20 Serial 1 Parallel	2 MB	80286 8 MHz	Floppy, 1.6 MB Winchester 80 MB, 30 msec	¼″ 60 MB Streaming	$19,990
2086/4-80	1-20	20 Serial 1 Parallel	4 MB	80286 8 MHz	Floppy, 1.6 MB Winchester 80 MB, 30 msec	¼″ 60 MB Streaming	$22,990
2086/2-190	1-20	20 Serial 1 Parallel	2 MB	80286 8 MHz	Floppy, 1.6 MB Winchester 190 MB, 30 msec	¼″ 60 MB Streaming	$24,490
2086/4-190	1-20	20 Serial 1 Parallel	4 MB	80286 8 MHz	Floppy, 1.6 MB Winchester 190 MB, 30 msec	¼″ 60 MB Streaming	$27,490

Upgrade Options for 1086/2086/3086:

Model Number	Description	Suggested List Price
RAM UK-5	1 MB Memory Expansion	$1,990
RAM UK-6	2 MB Memory Expansion	3,490
RAM UK-7	4 MB Memory Expansion	6,490
FP-287*	Floating Point Co-Processor	595
SCB 128 KB	10 Port Serial Expansion Board with 128 KB RAM	1,990
TCU-8	8-Port Terminal Cluster Unit	990
TCU-2	2-Port Terminal Cluster Unit	390
UK-MDB/512	MultiDrop Expansion Board – 512 KB	3,490
Drop 1FT-9PIN	One foot network drop cable with 9 pin connector	60
Drop 1FT-15PIN	One foot network drop cable with 15 pin connector	60
Drop 15FT-9PIN	Fifteen foot network drop cable with 9 pin connector	70
Drop 15FT-15PIN	Fifteen foot network drop cable with 15 pin connector	70
JUNCTION BOX	Junction Box	30
TERMINATOR KIT	Set of two interconnect cable line terminators	25
	One kit required for each multidrop or WorkNet II installation.	
Cable-50FT	50 Foot Network Cable with attached connectors	70
Cable-100FT	100 Foot Network Cable with attached connectors	130
Cable-250FT	250 Foot Network Cable with attached connectors	270
Repeater-422	Signal amplifiers to increase networking distance for multidrop or WorkNet II trunk segments. Up to two Repeaters may each be used to add 1500 Ft. segments for a maximum of 4500 Ft.	790
WorkNet Adaptor	Adaptor Kit to allow 80286 products to operate on original, slower speed WorkNet (requires Drop 1FT-9Pin Cable)	N/C

*Requires Field Technician to install.

Upgrade Options for 1086/2086 (only):

Model Number	Description	Suggested List Price
UK-50	50 MB Winchester Disk Drive Module	$3,490
UK-80	80 MB Winchester Disk Drive Module	5,490
UK-190	190 MB Winchester Disk Drive Module	9,990
UK-CPU/12.5	12.5 MHz CPU Board Upgrade Kit	2,490

Upgrade Options for 3086 (only):

Model Number	Description	Suggested List Price
UK-170E	170 MB ESDI Disk Drive	$9,990

▲ Altos 886

The Altos 886 uses the new 80286 microprocessor, running at 7.5 megahertz, to insure excellent user response. Each system comes with one megabyte of RAM, expandable to two megabytes. To further improve response, a dedicated Z80B microprocessor supports eight serial I/O ports. The 886 also contains a third microprocessor, an 80188 with its own memory, to support the Altos WorkNet Local Area Network interface and an additional asynchronous serial port. Each system includes an Altos IV terminal and cable.

Note: If desired with floating point co-processor installed at order time, must specify FP and add $495 to above prices.
Note: XENIX is ordered separately.
Note: Substitution of Altos III terminal in place of standard Altos IV terminal, add additional $300.

Model Number	Number of Users	I/O Ports	RAM Memory	CPU	Disks	Tape Drive	Suggested List Price
886-25	1-8	9	1 MB	80286 7.5 MHz	Floppy, 1.6 MB Winchester 25 MB, 85 msec	None	$ 6,695
886T-25	1-8	9	1 MB	80286 7.5 MHz	Floppy, 1.6 MB Winchester 25 MB, 85 msec	¼" 60 MB Streaming	8,195
886T-50	1-8	9	1 MB	80286 7.5 MHz	Floppy, 1.6 MB Winchester 50 MB, 35 msec	¼" 60 MB Streaming	9,195
886T-80	1-8	9	1 MB	80286 7.5 MHz	Floppy, 1.6 MB Winchester 80 MB, 35 msec	¼" 60 MB Streaming	11,195

▲ Altos 686

The Altos 686 is a powerful multi-user system based upon the Intel 80286 microprocessor. Each system includes 512 KB of RAM, expandable to 2.5 MB, 6 serial ports and an Altos IV terminal and cable. The optional Altos WorkNet Local Area Network interface available for convenient communications with other Altos systems also includes an additional serial port.

Note: If desired with Floating Point co-processor at order time, must specify FP and add $495 to above prices.
Note: XENIX is ordered separately.
Note: Substitution of Altos III terminal in place of standard Altos IV terminal, add additional $300.

Model Number	Number of Users	I/O Ports	RAM Memory	CPU	Disks	Tape Drive	Suggested List Price
686-25	1-5(6)*	6 Serial	512 KB	80286 7.5 MHz	Floppy, 1.6 MB Winchester 25 MB, 85 msec	None**	$4,995
686-50	1-5(6)*	6 Serial	512 KB	80286 7.5 MHz	Floppy, 1.6 MB Winchester 50 MB, 40 msec	None	6,695
686T-50	1-5(6)*	6 Serial	512 KB	80286 7.5 MHz	Floppy, 1.6 MB Winchester 50 MB, 40 msec	¼" 60 MB Streaming	7,695

*1 additional user with optional WorkNet board.
**No tape upgrade available for 686-25.

Upgrade Options for Altos 686 and 886:

Model Number	Description	Suggested List Price
RAM UK-8	1 MB Memory Expansion	$1,990
UK-80 Desk	One 80 MB Winchester disk drive in separate cabinet.	5,490
FP-287*	Floating Point Co-Processor	595
MTU-7**	¼" 60 MB streaming tape drive for 886-25 and 686-50 (only)	1,990
WKT-BRD	WorkNet Board (686 only) includes 1 WorkNet port and 1 serial port	490

*Requires Field Service Technician to install.
**Must be installed at order time or returned to Altos Customer Service at an additional charge.

▲ Altos 486

A powerful, compact multi-user microcomputer system, the Altos 486 can accommodate up to 4 users and a printer. Includes XENIX operating system, and supports a wide range of applications software. It comes configured with a 25 megabyte hard disk, 1 megabyte floppy disk drive and an Altos III terminal and cable.

Model Number	Number of Users	I/O Ports	RAM Memory	CPU	Disks	Suggested List Price
S486-25-1	1-4	5	512 KB	80186 8 MHz	Floppy, 1.6 MB Winchester 25 MB, 85 msec	$6,490

Upgrade Options for Altos 486:

Model Number	Description	Suggested List Price
RAM UK-4	512 KB Memory Expansion (Note: Replaces one 128 KB memory board, providing a net increase of 384 KB.)	$ 995
UK-25T*	25 MB Winchester disk module and ¼" 60 MB streaming tape drive in separate enclosure	4,990

*Requires Field Service Technician to install.

▲ Altos 586T

The Altos 586T is a multi-user 16-bit microcomputer supporting up to 5 users and includes a streaming tape drive built into the system. Each system includes the XENIX Runtime operating system, an Altos III terminal and cable. Optional capabilities include a second hard disk, an additional 512 KB RAM, local area networking and a choice of serial port expansion boards.

Model Number	Number of Users	I/O Ports	RAM Memory	CPU	Disks	Tape Drive	Suggested List Price
S586T-40	1-5	6	512 KB	8086 10 MHz	Floppy, 1 MB Winchester 40 MB, 45 msec	¼" 60 MB Streaming	$11,490

Upgrade Options for 586T:

Model Number	Description	Suggested List Price
UK-40-586	40 MB Winchester disk drive in separate cabinet	$4,490
UK-80-Desk	80 MB Winchester disk drive in separate cabinet	5,490
CEB-1	Communications Expansion Board with 4 serial ports, 80186 controller, 128 KB RAM. Required for 3270/SNA or X.25 software support.	1,495
RAM UK-2	512 KB memory expansion	1,290
SPE-1	Serial Port Expansion Board with 4 ports and Z-80 controller	850

▲ Altos Terminals

Altos terminals feature 14" tiltable green phosphor screen, auxiliary printer port, 16/32 programmable function keys, and detached keyboard. The Altos III is ANSI 3.64 based and support 80 or 132 columns. The Altos IV is an ASCII terminal and supports an 80-column display.

Model Number	Description	Suggested List Price
Altos III	Flexible and versatile ANSI based terminal	$ 795
Altos IV	Economical ASCII terminal	495
Cable 10 FT	Ten foot cable with 9 pin to 25 pin connector	25
Terminal Cable	Ten foot cable with 25 pin to 25 pin connector	25
Term-Adaptor	2 foot cable with 9 pin to 25 pin connector	25

▲ Communications Software:

Product Name	Description	Suggested List Price	
		8086 Family	80286 Family
WorkNet II**	Altos Local Area Network (LAN Software)	$ 395	$ 595
Altos PC Path II	Altos WorkNet LAN interface card and software for PC and PC compatible. WorkNet II is also required.	395	395
Altos PC Plex	Applications connection for PC software and Altos XENIX database.	595	895
Altos Async	Asynchronous Communications	195	250
3270 BSC	IBM 3270 Bisync Terminal Emulator	750	850
3780 Plus	IBM 3780 Terminal Emulator	500	700
3270 SNA*	IBM 3270 SNA/SDLC Emulator	995	1,295
X.25*	X.25 Packet Net Interface	1,295	1,695

Notes:
*CEB-1 Communications Expansion Board is required for 8086 Family. SCB-128 Communications Expansion Board is required for Altos 1086, 2086 and 3086.
**WorkNet II software requires WorkNet cabling.

▲ Operating Systems

Altos 80286 Family:***

	Suggested List Price
XENIX Runtime System for 1-16 users	$ 795
XENIX Runtime Expansion for 17-32 users (Altos 1086, 2086 and 3086 only) (Expansion requires 1-16 user Runtime)	1,495
XENIX Development System (Includes C Compiler and full XENIX utility set; Requires XENIX Runtime)	1,000
C.DOS (formerly Concurrent CP/M) (Not supported on ALtos 3086)	650

Altos 8086 Family:**

XENIX Runtime System	995*
XENIX Development System (Includes C Compiler and full XENIX utility set; Requires XENIX Runtime)	1,000
Booster Pak (Disk Performance Enhancement, 4.2BSD) (For 586 only; Requires one megabyte RAM)	495
Concurrent CP/M-86	650

*Operating systems, where noted, are included in the purchase price of the Altos 8086 Family.
**8086 Family refers to all Intel 8086- and 80186-based hardware systems, except where noted. These systems include the Altos 486 and 586T.
***80286 Family refers to all Intel 80286-based hardware systems, except where noted. These systems include the Altos 686, 886, 1086, 2086, and 3086.