

# Eight-inch Winchester hard disk systems. A bumper crop.

## The Altos family of 8-inch Winchester based systems.

We've integrated our proprietary single board computer and disk drive controller with Winchester disks to give you a powerful system that can handle mid-sized data bases and serve up to four work stations. The faster speed and bigger capacity of Winchester allows you to take full advantage of our high CPU speed. And you can't buy a true multi-user system for less money.

**A better 8-inch Winchester.** Choose from two fully integrated multi-user systems, each packaged in compact, stylish cabinets suitable for tabletop or rack-mount installation. Both come complete with 208 KBytes of RAM and six programmable serial ports. An RS432 communications



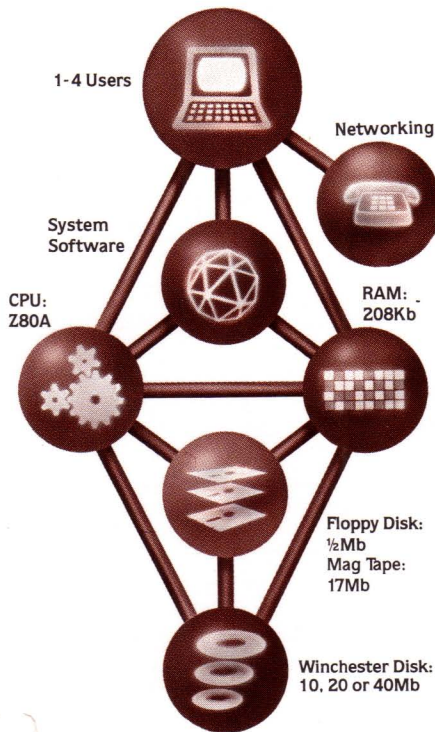
port is standard and supports 800 KBits for full networking. We also give you a choice of back-up media — floppy disk (single sided ACS8000-10 -12 or -14) or mag tape cartridge (MTU-2).

## Why Winchester?

Winchester technology is a significant advancement in data storage. Sealing read/write heads and media away from external contamination protects data storage from smoke, dirt and careless

operators. It eliminates the interchangeability and misalignment problems inherent in removable disk drives. It offers greater capacities at lower cost per megabyte, faster access, greater reliability and less maintenance. These advantages have been proven in many disk drives from many manufacturers.

**Why back-up?** While Winchester provides better performance, greater reliability and bigger capacity, the disks aren't removable. For this reason, most users want the capability to copy important files and programs on transportable media. Using the floppy or mag tape cartridge, you can make copies to store, share with other users, etc. Limiting the use of your floppy drives to I/O and back-up also extends floppy media and drive life.



### Multi-User 8-inch hard disk based systems

Model	ACS8000-10	ACS8000-12	ACS8000-14
CPU	Z80A (4 MHz)	Z80A (4 MHz)	Z80A (4 MHz)
RAM Memory	208 KBytes	208 KBytes	208 KBytes
Number of Users	1-4	1-4	1-4
Floppy controller density	Double	Double	Double
Floppy drive type	Single sided	Single sided	Single sided
I/O ports Serial Parallel	6 (Full RS232C) 1 (18 signal lines)	6 (Full RS232C) 1 (18 signal lines)	6 (Full RS232C) 1 (18 signal lines)
Number of drives Winchester Floppy	1 1	1 1	1 1
Total storage Winchester Floppy	10 MBytes ½ MByte	20 MBytes ½ MByte	40 MBytes ½ MByte

**NOTE:** Stand-alone magnetic tape cartridge back-up can be added to any hard disk based system (Model MTU-2). Winchester disk capacities are specified unformatted.  
All systems can be expanded to a total of two Winchester disks.



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