



WICAT SYSTEMS: SYSTEM 150

PROCESSOR

- MC68000L8, 8MHz (Approx. 1 million instructions per second)
- 16 Bit Processor (32 Bit Data Operations)
- Memory Management
- 7 Vectored Interrupt Levels
- Multibus™ Architecture

MEMORY

- 256KB of Dynamic Parity RAM (expandable to 1.5MB)
- 16KB/32KB/64KB of EPROM

PERIPHERALS

- 10ms Interval Timer
- Intelligent Disk Controller
- 10MB 5¼" Winchester Disk
- 960KB 5¼" Floppy Disk Drive
- 2 RS-232C Serial Interfaces (19.2K Baud in Asynchronous Mode, 56K Baud in Synchronous Mode)
- 16 Bit Parallel Interface
- Battery-Backed Clock (Optional)
- Graphics Version w/Touch Panel (Optional)
- High Speed Serial Network Interface (Optional)
- Videodisc Controller (Optional)

SYSTEM SOFTWARE

- Real Time, Multi-user, Multi-tasking Operating System
- Optional Operating Systems: UNIX™/V7, CP/M Emulator
- Language support: PASCAL, C, APL, ADA, COBOL, FORTRAN, LISP, BASIC, and Assembler.

WICAT set a new standard of price performance with the introduction of the System 100. Now the System 150 offers even greater price performance packaged neatly within a CRT housing. Included is the processor, memory, CRT, storage and storage backup, all in a single, trim, desk-top unit. A graphics version of the System 150 is also available.

The processor for the WICAT System 150 is the Motorola 68000 which runs at 8MHz and executes approximately one million instructions per second. Although this processor has a 16 bit external data path, internally it has 32 bit registers and supports 32 bit operations. Memory sizes range from 256KB of dynamic RAM up to 1.5MB.

Mass storage includes a 10MB 5¼" Winchester disk drive and a 5¼" floppy disk drive for back-up purposes. The standard system has two RS-232C serial interfaces to support peripherals.

The real time, multi-user, multi-tasking operating system is designed for maximum functionality while retaining the premier design feature of user friendliness. The System 150 also supports UNIX™/V7, CP/M Emulator and nine programming languages: PASCAL, C, APL, ADA, COBOL, FORTRAN, LISP, BASIC, and Assembler.

The WICAT System 150 micro workstation is an ideal small business system, dedicated personal computer, or node within a network. Multibus™ devices can easily be attached to the system and maintenance is available internationally. This combination of a high performance, low cost system with a common bus structure and readily available software provides you with a cost effective, easy to implement solution to your processing needs.

*UNIX is a trademark of Bell Laboratories.

*Multibus is a trademark of Intel Corporation.

TIMING

Processor Clock:
8MHz

Bus Architecture:
Multibus

5/10MB Winchester Disk Timing:

Transfer Rate	4.34M bits/sec
Access Time (Avg)	70 msec
Access Time (Max)	150 msec
Access Time (Track to Track)	3 msec
Rotational Speed	3600 RPM

Floppy Disk Timing

Transfer Rate	250K bits/sec
Access Time (Avg)	267 msec
Access Time (Max)	583 msec
Access Time (Track to Track)	10 msec
Rotational Speed	300 RPM

Serial I/O Rate:
50 to 19,200 Baud

Parallel I/O Rate:
Up to 1M byte per second (optional)

ENVIRONMENTAL AND SAFETY

Safety:

Designed to meet UL 478 (EDP) and 114 (office equipment)
Designed to meet CSA 154 (EDP) and 143 (office equipment)

EMI:

Designed to meet U.S. FCC Rules & Regulations Part 15, Subpart J, Class A

Altitude with Mass Storage:
-1000 to 10,000 ft.

Temperature Operating:
10-46°C/50-115°F

Temperature Non-Operating:
-40-60°C/-40-140°F

Humidity:
20-80% Non-condensing

ELECTRICAL

AC Power Capacity:
47-440 Hz

Voltage:
Either 95-130 VAC or 190-260 VAC user selectable

Power Supply Efficiency:
70% typ.

DC Power Capacity:
+ 5 Volts: 25 Amps
+12 Volts: 4 Amps
-12 Volts: 4 Amps

PHYSICAL

System 150 Includes:
One 5¼" Winchester Disk
One 5¼" Floppy Disk

Height	16"
Width	19"
Depth	16½"
Weight	50 lbs.

RELIABILITY

MTBF is approximately 3000 operating hours