

MG8000



WICATsystems

WICAT MG8000 Video Terminal

The WICAT MG8000 is a general-purpose monochrome video terminal with sophisticated graphics capabilities.

The Z-8002 microprocessor gives the MG8000 its power and versatility, allowing you to program special keys and ports, define I/O modes and video attributes, and control all graphics functions.

Graphics features include 400 × 300 pixel resolution; two independent graphics planes; and commands for lines, curves, and text blocks. You can store designs in the terminal's memory and effect animation by displaying one graphics plane while modifying another.

The complete set of ANSI standard terminal functions supplements the graphics capabilities.

The detachable keyboard has all standard typewriter and control keys plus a separate keypad for 10-key number entry or programmable for text processing and other functions.

In addition to the 128 ASCII characters, the MG8000 has two user-definable character sets, one set available from an on-board EPROM, another can be downloaded from the host computer. An RS-232 C asynchronous serial port allows communication with the host.

The optional touch panel, with 768 discrete touch points, makes the terminal ideal for users who want to avoid typing.

The MG8000 is ideally suited for computer-based training, animation, business graphics, CAD/CAM, process control, and scientific applications.

The MG8000's futuristic design, which features the tilt/swivel/rise option, coupled with state-of-the-art technology, make the MG8000 the most attractive—and affordable—general-purpose graphics terminal available.

GENERAL FEATURES

- 12-inch display monitor
- Z-8002 microprocessor
- RS-232 C serial I/O interface
- RS-232 C printer interface
- Touch panel (optional)

GRAPHICS FEATURES

- 400 × 300 pixel resolution
- High-level graphics commands
 - Lines, curves, arcs, and circles
 - Graphic text characters
 - Pattern fill
 - Relative and absolute addressing
- Object definition and relocation
- Compatible with SIGGRAPH CORG Standard

TEXT FEATURES

- 25 × 80 characters
- 7 × 9 characters in a 10 × 12 cell
- Complete ASCII character set (128 characters)
- Alternate character sets (loadable and EPROM)
- Compatible with ANSI X3.64
- Text Attributes
 - Half intensity, reverse video, blank, blinking, and underscore
- Cursor Attributes
 - Block, blinking block, underline, blinking underline

MG8000 Hardware Specifications

TECHNICAL AND PHYSICAL SPECIFICATIONS

Timing	
Processor clock	4 MHz
Serial I/O Rate	External clock RS-232 C 50 to 19.2 Kbaud
Power	
AC power capacity	47-64 Hz
Volts	110/240
Power supply efficiency	65%

Dimensions

Height	12 in.
Width	14.5 in.
Depth	15.8 in.
Weight	30 lbs.

MTBF 8000 hours

SAFETY AND ENVIRONMENTAL SPECIFICATIONS

Safety

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

RFI/EMI

Complies with US FCC Rules and Regulations, Part 15, Subpart J, Class A.

Altitude

3000m 10,000 ft.

Temperature

Operating	50 to 85°F	10 to 30°C
Nonoperating	-40 to 140°F	-40 to 60°C

Humidity

(noncondensing) 20-80%