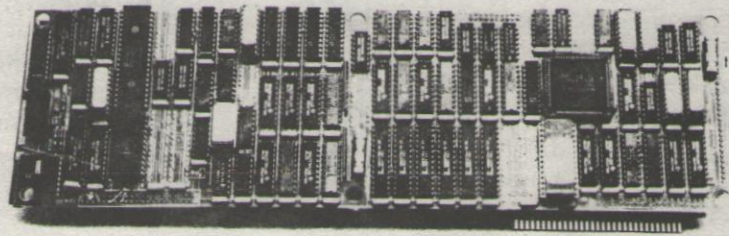## UGA 1008
UGA 1008X

Ultra
Graphics
Accelerators

Metheus, a world leader in mini- and mainframe Graphics Controllers, brings its patented technology to PCs and compatibles allowing you to create a "microframe" graphics environment. The Metheus® UGA 1008 and 1008X Ultra Graphics Accelerators provide professional graphics performance, very high resolution, brilliant color, outstanding speed, and exceptional reliability.

- □ 1024×768 pixel display for very high resolution graphics
- □ 8 bit planes of brilliant color
- □ 256 simultaneously displayable colors
- □ UGA 1008 offers a palette of 4,096 colors and 16 shades of gray
- □ UGA 1008X offers a palette of 16.7 million colors and 256 shades of gray
- □ Requires a single slot in your PC
- □ High speed vector drawing of 5 million pixels per second
- □ Super fast polygon filling at 42 million pixels per second
- □ High resolution (960×600) CGA emulation for compatibility with PC application programs
- □ User selectable graphics font styles
- □ Includes software drivers for AutoCAD™, AutoShade™, MS-Windows™, and GEM™
- □ A vast library of software support, including AutoCAD, AutoShade, VersaCAD™, CADKEY™, ImagePro™, SS/HLR™, Windows, VDI™, and GEM

METHEUS ...*the graphics company*

☐ 8 Bit Planes of High Resolution Color Graphics

The *Metheus* 1008 and 1008X Ultra Graphics Accelerators display images at a crisply defined 1024×768 pixel resolution. Pixel resolution this high allows you to capture a great amount of detail.

Eight bit planes of pixel memory on these "color co-processors" offer the user a simultaneous display of 256 colors. The wide variety of displayable colors makes the 1008 and 1008X perfect for the most sophisticated 3-D solids modeling and image applications. The 1008 offers 4096 colors and 16 shades of gray to choose from. The 1008X has an extended palette that offers over 16.7 million colors and 256 shades of gray.

☐ Enhance The Appearance of Your Application Software

The UGA 1008 and UGA 1008X enhance the appearance of most PC compatible graphics software. Our crisp resolution, vivid colors, and generous gray scale make most applications more readable, more accurate, and much more beautiful! Your graphics will look more professional when you take advantage of all the features of the Metheus Ultra Graphics Accelerator.

☐ Micro Prices + Mainframe Performance = Microframe

Creating a "microframe" by combining your PC with the Metheus 1008 or 1008X produces unbeatable microcomputer price advantages without sacrificing the quality and performance of a mainframe.

Metheus leads the way in the mainframe graphics marketplace, excelling in quality and unsurpassed in speed. Personal computers, approaching mini- and mainframe levels of sophistication, can now benefit from the superior performance of a Metheus graphics product.

☐ IBM CGA Emulation

Metheus Ultra Graphics Accelerators emulate IBM's CGA card. Your programs will run as before but they will look more professional. The 1008 and 1008X expand on the CGA standard by displaying text-based applications at 960×600 pixel resolution. When emulating CGA, you can run off-the-shelf applications like Lotus 1-2-3™, Wordstar™, and Flight Simulator™ using a single high resolution monitor.

Metheus UGA 1008/1008X Specifications

Pixel Memory Resolution	1024×1024	**Video Timing**	RS-343A standard, 60Hz vertical frame rate, 48.8KHz horizontal frame rate, non-interlaced
Displayed Resolution	1024×768 60Hz, *non-interlaced*		
Off-Screen Memory	128K bytes	**RGB Video Output**	*Subminiature D-shell* connector; composite synch on green channel
Number of Bit Planes	8		
Processor Type	2901 bit-slice processors		
Cycle Time	125 nanoseconds	**Physical Form**	1 slot, 2 layered board set
Image Downloads	500K bytes/second	**Dimensions**	13.25×4.25 inches (33.6×10.8 cm)
Polygon Fills	42 million pixels/second		
Vector Drawing	5 million pixels/second	**Weight**	Approx. 1.3 pounds (0.6 kg)
Block Moves	4 million pixels/second	**Power Requirements**	5 amps at +5V drawn from PC system bus
Displayable Colors	256		
Available Colors	4096 or 16.7 million		
Available Grays	16 or 256		

For more detailed information, write or call toll-free 1-800-METHEUS