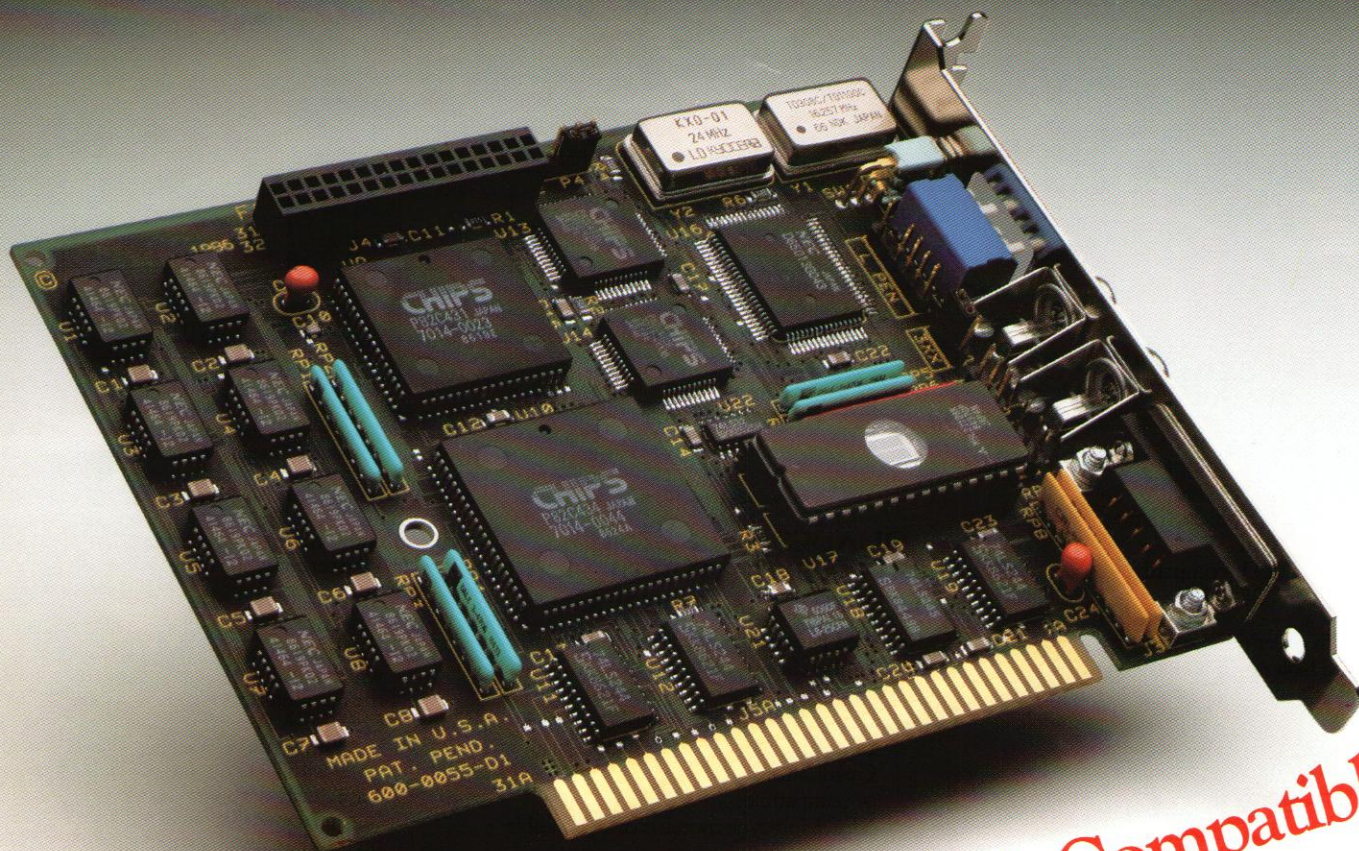
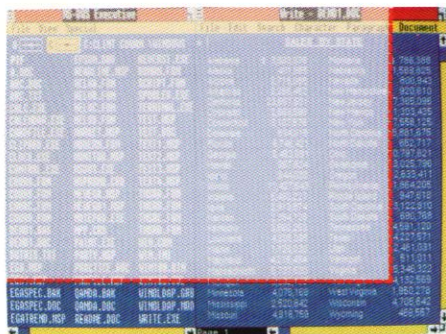


QuadEGA™ ProSync



Now VGA Compatible

Display up to 37% more data on Multisync™-type monitors



QuadEGA ProSync is an advanced enhanced graphics adapter that produces two additional high resolution EGA modes when used with Multisync-type monitors. The two modes -640 x 480 and 752 x 410 - let you display up to 37% more data on the Multisync screen. The sharp resolution and full EGA color capability make data easier to read, increasing productivity and reducing eye strain.

QuadEGA ProSync supports regular EGA monitors, too, as well as the four established display standards: EGA (640 x 350), standard IBM Color Graphics (320 x 200), Hercules Monochrome Graphics (720 x 348), and IBM Monochrome Text (640 x 350).

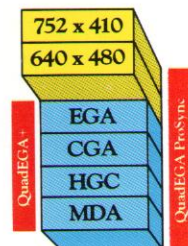
Featuring AutoSelect for automatic selection of the correct display mode

QuadEGA ProSync's AutoSelect feature automatically selects the correct viewing mode for most popular programs.

QuadEGA ProSync also comes with software drivers that let you run Microsoft Windows™ (and software applications written to Windows), Lotus® 1-2-3®, AutoCAD®, and software designed for the new multisync monitors in the two advanced high resolution modes.

QuadEGA ProSync comes in a compact half-card design that fits the short slots in your PC XT and PC AT personal computers (and compatibles). And it comes with a two-year guarantee.

To learn more about the QuadEGA ProSync, contact us at One Quad Way, Norcross, Georgia 30093; 404-564-5566.



QuadEGA ProSync delivers a total of six graphics modes!



QuadEGA ProSync Specifications

The QuadEGA ProSync is a high resolution enhanced graphics adapter for the IBM Personal Computer, PC XT, and PC AT. QuadEGA ProSync supports each of the following video modes:

- Monochrome Display Adapter (MDA) 640 x 350 resolution
- Hercules Graphics Card (HGC) 720 x 348 resolution
4 - shade monochrome graphics
- Color Graphics Adapter (CGA) 320 x 200 resolution and 640 x 200 resolution
16 - color graphics
- Enhanced Graphics Adapter (EGA) 640 x 350 resolution
16 - color graphics from a palette of 64 colors
- Enhanced Graphics Adapter (EGA) 640 x 480 resolution
Requires TTL-compatible color monitor capable of 29.4KHz
- Enhanced Graphics Adapter (EGA) 752 x 410 resolution
Requires TTL-compatible color monitor capable of 25 KHz

NOTE: In order to take advantage of the two advanced high resolution EGA modes, you must use QuadEGA ProSync in conjunction with a multimode monitor such as the NEC Multisync or Sony Multiscan.

SYSTEM REQUIREMENTS

The QuadEGA ProSync can reside in any open system expansion slot of the IBM PC, PC XT, PC AT, or 100% compatible computer.

TOTAL SOFTWARE COMPATIBILITY

QuadEGA ProSync can run virtually all software that is written to the IBM MDA, IBM CGA, IBM EGA, or Hercules Graphics standards. In addition, software support for Microsoft Windows is included for the EGA resolutions of 640 x 480 and 752 x 410. All software operating through the Windows environment can also take advantage of these higher EGA modes.

The drivers that allow use of this software in the higher resolution modes require the use of a Multisync-type monitor.

Also, software drivers for Lotus 1-2-3 and AutoCAD are included for the 640 x 480 and 752 x 410 resolution modes.

It is expected that other software will soon be available to support the ProSync's high resolution modes. Contact Quadram for an up-to-date software support list for the ProSync.

Below is a chart describing the QuadEGA ProSync's video modes and the types of monitors which support each of the modes.

QuadEGA ProSync Video Modes

	640 x 350	720 x 438	320 x 200 640 x 200	640 x 350	640 x 480	752 x 410
	MDA	Hercules	CGA	EGA	EGA	EGA
IBM Monochrome AmberChrome or Compatible						
IBM 5153 Color QuadChrome or Compatible						
IBM 5154 Enhance. QuadChrome ED or Compatible						
NEC Multisync or Compatible						

The 640 x 480 graphics mode offered on the QuadEGA ProSync is not compatible with the IBM Professional Graphics Controller (PGC) or any software written to it.

QUADEGA PROSYNC SUPPORTS FOUR DIFFERENT TYPES OF MONITORS

- IBM Monochrome Display, Quadram Amberchrome, or compatible
- IBM Color Display, Quadram QuadChrome, or compatible
- IBM Enhanced Color Display, Quadram QuadChrome Enhanced Display, or compatible
- NEC Multisync monitor or compatible

OTHER FEATURES INCLUDE

- 256K of video memory, which is necessary to accomplish the following:
 - provide all 16 colors in the EGA mode (64K memory can only provide 4 colors)
 - smooth, flicker free horizontal and vertical scrolling
 - access to softfont capabilities
 - ability to complement the new software written to the EGA mode which requires more than 64K memory (such as Microsoft Windows)
 - support for up to 8 graphics pages
- RAM-based, loadable character generator capable of up to 512 displayable character codes for multiple character fonts
- Supports up to 43 lines of 80 column text
- IBM EGA BIOS extension capability (on board 16K ROM)
- Designed using advanced custom chip VLSI technology for speed, reliability, and compatibility
- Screen-saver: if no keys have been pressed within a specified period of time (discretion of the user) the screen will shut off. This feature will help extend the life of the CRT

and prevent images from being "burned" into the screen while the user is away from the computer.

- QEGABOOT.SYS is a command which allows CGA compatible game software which requires the game diskette to boot the computer to operate with the QuadEGA ProSync.
- Switching modes is accomplished automatically with all EGA and most CGA software. Just insert the diskette.
- In some cases, software drivers are needed on the QuadEGA ProSync. With some CGA programs, no EGA drivers exist. This CGA software makes direct access to the CGA display adapter registers. Most of this CGA software is two years old (written before IBM introduced the EGA board in the Fall of 1984). In this instance, the QuadEGA ProSync does need the software driver to run the CGA software. With switch 5 in the ON position, no reconfiguration of the system switches is necessary. For convenience purposes, a batch file using the CGA emulation mode can be placed on the CGA diskette needing the software driver. Then the software driver becomes "transparent" to the operation of the CGA program. This type of batch file is covered in the QuadEGA ProSync Operations Manual.
- A toggle switch on the board conveniently located on the outside of the PC tells the QuadEGA ProSync what type of monitor is being used. Because some monitors operate at higher frequencies (the Enhanced Color Display) it is necessary to have a system set up to handle these different power frequencies. When the toggle switch is to the left, it is set to work with either the Color Display or the Monochrome Display. When the toggle switch is to the right, it is set to work with the Enhanced Color Display.

