SMART EGA™

from NSI Logic

Universal Graphics Adapter Board

Run any software.
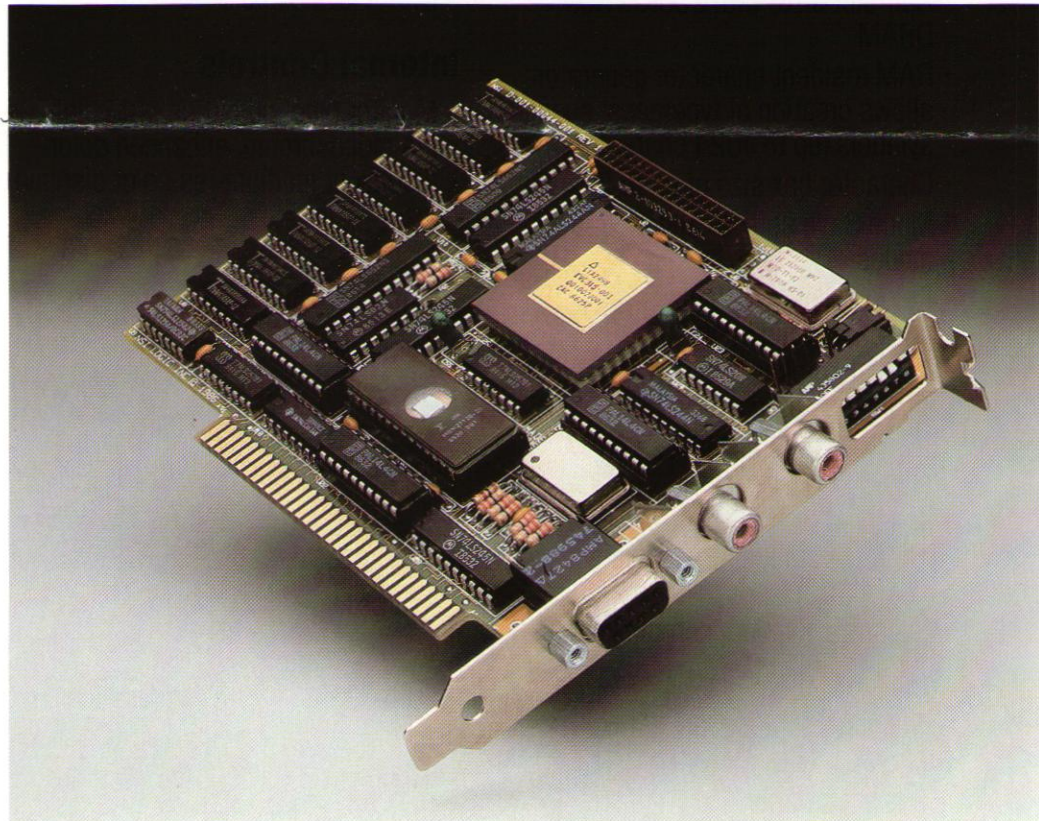### In any mode.
On any EGA monitor.

Now a single graphics board is right for any PC application. SMART EGA.

NSI Logic's innovative, half-slot graphics board employs proprietary SMART technology (Single Monitor AdapteR Technology) to run EGA, CGA, MDA, or Hercules modes—all on a single color EGA monitor.

And any PC software is guaranteed to run without special patches, updates or emulation routines, because SMART EGA's VLSI graphics chip meets all BIOS and hardware specifications in all modes. And that's the kind of performance that PC Magazine called "beyond comparison" in its grueling comparison of EGA boards.

Standard features make SMART EGA more powerful and easy to use.

SMART EGA's **Mode Save** feature lets you easily select any display mode using simple keyboard commands, and even retains that mode selection through a warm reboot. Mode Save has been found to be a superior alternative to the problems inherent in automatic switching.

Palette Save lets you customize foreground and background colors in a flash. Other utility software is included which allows you to disable the cursor from blinking, and the eight position DIP switch is externally located for easy access.

Like all NSI products, SMART EGA is manufactured in the United States and comes with a full three year warranty.

SMART *EGA*

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Features

- Supports EGA, CGA, MDA, and HGC modes
- Runs any mode on a single color EGA monitor
- Fully compatible with all PC software
- Half-slot size, with 256K Bytes DRAM
- RAM resident character generator allows creation of typefaces, special symbols (up to 1024 characters)
- Character box size of up to 32 x 8
- Mode Save selects and maintains modes
- Palette Save customizes foreground and background colors
- Smooth, flicker-free horizontal and vertical scrolling
- Supports CGA or MDA as primary or secondary adapter
- Improved memory access over IBM EGA in high resolution mode (640 x 350)
- Supports blinking/non-blinking cursor
- 3 year warranty

Monitor Compatibility

- IBM 5151 high resolution monochrome, IBM 5153 medium resolution color, IBM 5154 high resolution enhanced color, or equivalents

Video Adapter Compatibility

- Replaces IBM EGA, CGA, and MDA adapters, and the Hercules Graphics Card
- Totally compatible at both BIOS and hardware levels

External Controls

- SMART Mode enable/disable switch
- 4 switches for power-up mode selection and primary/secondary adapter assignment
- I/O address port selection with BIOS ROM disable

Internal Controls

- Monitor type indication (IBM high-res monochrome, enhanced color display or medium-res color display)

Software Utilities

- PALETTE.COM specifies and changes display colors through keyboard
- HCOLOR.COM specifies and changes display colors through keyboard in HGC mode
- CURSOR.COM specifies blinking/non-blinking cursor
- Also incuded are utilities to change modes through keyboard

With this monitor:	You can run software written for:	In these resolutions:
Monochrome	Monochrome Display Adapter (MDA)	80 character text
	Hercules Graphics Card (HCG)	720 by 350 B&W
	EGA monochrome mode	640 by 350 B&W
Standard RGB	Color Graphics Adapter (CGA)	40 or 80 column text 320 by 200 by 4 colors 640 by 200 B&W
	EGA	640 by 200 up to 16 colors
Enhanced RGB	Monochrome Display Adapter (MDA)	80 character text
	Hercules Graphics Card (HGC)	720 by 350 color
	Color Graphics Adapter (CGA)	40 or 80 column text 320 by 200 by 4 colors 640 by 200 B&W
	EGA	320 by 200 up to 16 colors 320 by 350 up to 16 colors 640 by 200 up to 16 colors 640 by 350 up to 16 colors

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