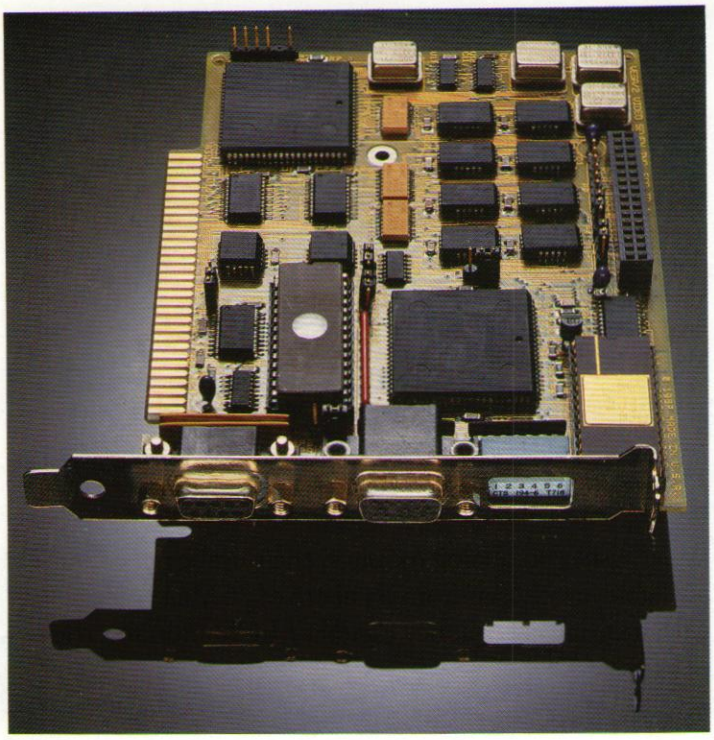

Windows/386 Compatible

# VEGA

## V · G · A™

## The VEGA Deluxe brought you extra-high resolution. This VEGA can give it to you up to 400% faster.

### FASTER GRAPHICS. LESS DISTORTION. MORE COLORS. VIDEO SEVEN IS MAKING YOUR COMPUTER LOOK BETTER ALL THE TIME.

You don't have to buy a new computer to enjoy the advantages of the new Video Graphics Array (VGA) standard. Our VEGA VGA™ adapter brings all the performance and graphics capabilities of the new IBM PS/2 line to your IBM PC/XT/AT, IBM compatible or PS/2 Model 30.

### YOU CAN'T GET MORE COMPATIBLE.

The VEGA VGA is fully compatible with all existing graphics standards. So you can run new VGA programs. Or any programs you may already have for the Enhanced Graphics Adapter (EGA), Color Graphics Adapter (CGA), Monochrome Display Adapter (MDA) or Hercules Graphics Card (HGC). Plus, for the first time, this compatibility exists at the hardware level. That means that the VEGA VGA automatically switches between modes, eliminating the need for any software emulation program, whether on diskette or in ROM.

### SUPPORT FOR YOUR MONITOR.

The VEGA VGA has both analog and digital connectors, so it can support both old and new generation monitors. With a variable frequency monitor, you get a resolution of 640 x 480 and an additional high resolution of 800 x 600, both with a choice of 16 on-screen colors from a palette of 64. With an analog monitor, you get a palette of 262,144 and can select 256 simultaneous colors with a resolution of 320 x 200, or 16 simultaneous colors with resolution of 640 x 480.

### SUPPORT FOR YOUR SOFTWARE.

The VEGA VGA comes with high-resolution drivers for Windows, AutoCAD and Lotus 1-2-3 graphics, as well as a 132-column x 43-line format for 1-2-3, Symphony, WordPerfect and WordStar. Many other popular packages are supported in VGA resolution, such as Pagemaker, Ventura, Harvard Graphics, GEM and Publisher's Paintbrush.

### TECHNOLOGY THAT'S SETTING THE INDUSTRY STANDARDS.

Video Seven was instrumental in pioneering the use of surface-mount technology. Later adopted by IBM, this advanced manufacturing technique allows for lower power consumption, less heat build up and higher reliability. The VEGA VGA also benefits from a built-in hardware graphics cursor that enhances performance in programs such as Microsoft Windows. What's more, the board has been designed to fit in a short slot, giving you flexibility when you install, and plenty of room to expand when you're ready for future upgrades.

## SPECIAL FEATURES:

- Up to 400% faster than an EGA.
- High resolution (800 x 600) drivers for Microsoft Windows, AutoCAD, Lotus Text and Graphics.
- Smartswitch hardware state switching.
- Menu driven program for setup and driver installation.
- Hardware graphics cursor.
- "SAVE" function turns off the display after a period of inactivity selected by the user (normally set to five minutes).

## MONITOR COMPATIBILITY:

- IBM PS/2 or compatible analog monitor.
- NEC MultiSync or compatible monitor (digital or analog).
- IBM Enhanced Color Display (or 350 line, 64 color RGB R'G'B' compatible).
- IBM Color Display (or 200 line, 16 color RGBI compatible).
- IBM Monochrome Display (or IBM-compatible TTL monochrome monitor).

Note: Resolution capability may be limited by your monitor.

## GRAPHIC MODES:

| No. of Colors | Pixels | Pages (max.) | Display Req'd (1) | Adapters Emulated (2) |
|---|---|---|---|---|
| 256 | 320x200 | 1 | AD | VGA |
| 16 | 320x200 | 8 | CD/ECD | EGA |
| 16 | 640x200 | 4 | CD/ECD | EGA |
| 2 | 640x350 | 1 | MD | EGA |
| 2 | 640x350 | 2 | MD | EGA |
| 4 | 640x350 | 1 | ECD | EGA |
| 16 | 640x350 | 2 | ECD | EGA |
| 4 | 320x200 | 1 | CD/ECD | CGA, EGA |
| 2 | 320x200 | 1 | CD/ECD | CGA, EGA |
| 2 | 640x200 | 1 | CD/ECD | CGA, EGA |
| 2 | 720x348 | 2 | MD | HGC |
| 16 | 640x480 | 1 | AD,VF | VGA |
| 16 | 752x410 | 1 | VF | VEGA Deluxe |
| 16 | 800x600 | 1 | VF | VEGA VGA |

## ALPHANUMERIC MODES:

| No. of Colors | Char. x Rows | Char. Cell | Pages (max.) | Display Req'd (1) | Adapters Emulated (2) |
|---|---|---|---|---|---|
| 16 | 80x25 | 9x16 | 8 | VF, AD | VGA |
| 16 | 80x25 | 8x14 | 8 | ECD | EGA |
| 16 | 132x43 | 8x8 | 4 | ECD | EGA |
| 2 | 132x43 | 8x8 | 4 | MD | MDA, EGA |
| 2 | 40x25 | 8x8 | 8 | CD/ECD | CGA, EGA |
| 16 | 40x25 | 8x8 | 8 | CD/ECD | CGA, EGA |
| 2 | 80x25 | 8x8 | 8 | CD/ECD | CGA, EGA |
| 16 | 80x25 | 8x8 | 8 | CD/ECD | CGA, EGA |
| 2 | 80x25 | 9x14 | 8 | MD | MDA, HGC, EGA |
| 16 | 80x60 | 8x8 | 2 | VF | VGA |

(1) CD = Color Display, ECD = Enhanced Color Display, MD = Monchrome Display, VF = Variable Frequency, AD = Analog Display
(2) EGA = Enhanced Graphics Adapter, MDA = Monochrome Display Adapter. HGC = Hercules Graphics Card, CGA = Color Graphics Adapter, VGA = Video Graphics Array, VEGA Deluxe = higher resolution than currently supported by IBM, EGA standard, VEGA VGA = higher resolution than currently supported by IBM, VGA standard.

When using an analog monitor, the number of colors available are chosen from a palette of 262,144 colors; with a variable frequency digital or ECD monitor, the palette is 64 colors.

## DIMENSIONS:

- PC Board: 4.2 in. high x 5.4 in. long (fits short slot of IBM PC/XT).
- Connectors: (1) DE-9 female, compatible with IBM EGA, CGA, or MDA (digital video).
  (1) 32-pin, EGA-compatible "feature connector."
  (1) 6-pin, keyed (pin 2 removed) light pen connector.
  (1) 15-pin, keyed (1 pin missing) PS/2 compatible analog video

## WARRANTY:

- All Video Seven products are guaranteed to be free of defects in material and workmanship for a period of five years from date of purchase. (See Warranty Card for more information.)

VIDEO SEVEN

*We make a clear difference*

Video Seven Inc., 46335 Landing Parkway
Fremont, CA 94538, (415) 656-7800

*High resolution modes require TTL monitors capable of 25 KHZ and 29.4 KHZ or analog monitor capable of 31.5 KHZ. Analog monitor needed to support 262,144 palette and 256 colors. The following are registered and unregistered trademarks of the companies listed: VEGA Deluxe, VEGA VGA, Video Seven, Video Seven Inc.; Personal System/2, PS/2 Model 30, IBM, International Business Machines Corporation; Microsoft Windows, Microsoft Corporation; Pagemaker, Aldus Corporation; MultiSync, NEC Home Electronics (USA); Lotus 1-2-3, Symphony, Lotus Development Corporation; Hercules, Hercules Computer Technology, Inc.; AutoCAD, Autodesk Inc.; GEM, Digital Research Inc.; Harvard Graphics, Software Publishing Corporation; Ventura, Xerox Corporation; Publishers Paintbrush, ZSoft Corporation; WordPerfect, WordPerfect Corporation; WordStar, Micropro International. Video Seven reserves the right to change specifications without notice.*

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