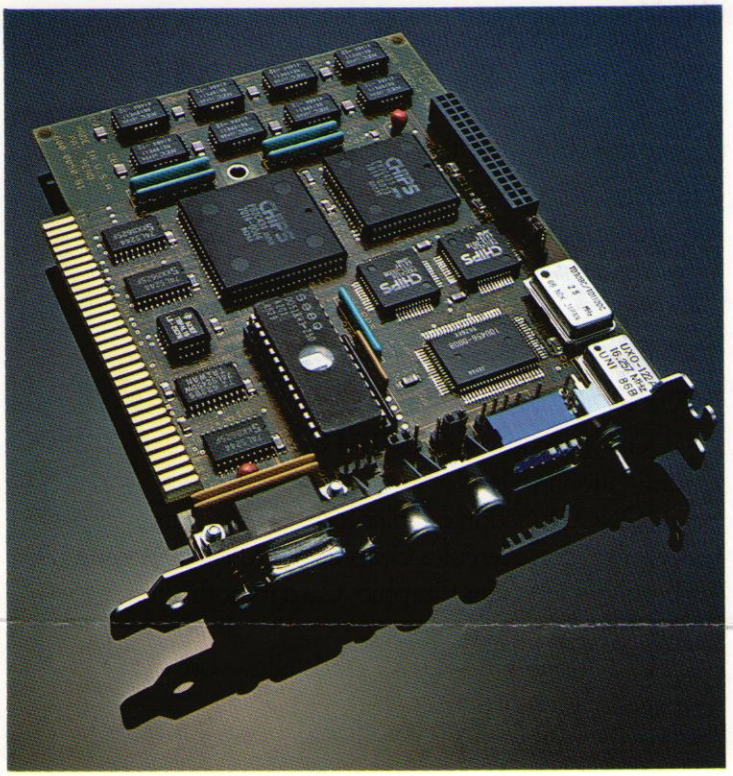

V·E·G·A deluxe™

All the advantages of the original VEGA™, plus a 37% increase in resolution. Video-7 takes you higher.

37% BETTER.

This year, there is an EGA card that does more than just support all the major industry graphics adapter standards—the Monochrome Graphics Adapter (MGA), the Color Graphics Adapter (CGA), the Hercules Graphics Card (HGC), and the Enhanced Graphics Adapter (EGA). The VEGA Deluxe actually betters the EGA standard for higher resolutions by 37%. Up to 640X480 and 752X410 with a NEC MultiSync,® or compatible monitor. Which, in turn, means 37% sharper lines. 37% more brilliant colors. And 37% less strain on your eyes. What's more, 16 on screen colors are possible from a palette of 64. So, the EGA standard never looked better.

COMPATIBILITY ANY WAY YOU LOOK AT IT.

The VEGA Deluxe will automatically select the right mode for emulation so you won't have to think about changing the mode once your program is up. It's a feature called AutoSelect. What's more, VEGA Deluxe includes higher resolution drivers for Microsoft Windows™ and software that enables the use of the graphics adapter with bootable CGA games. But that's not all. If, for any reason, the VEGA Deluxe does not work with software created for the MGA, CGA, HGC and EGA—Video-7 will fix it or refund the purchase price. We call it our Compatibility Guaranteed Program and all you do is call us at (408) 943-0101. Request a Return Materials Authorization #. Explain what the trouble is, including the version # of your software. And let us work on it for 30 days. By then, if we haven't figured it out, just send us the board along with a sales receipt and we'll send you a check by return mail.

FEWER ICs FOR GREATER RELIABILITY.

Video-7's proprietary EGA Integrator™ chip and surface-mount technology give the VEGA Deluxe the lowest IC count of any EGA board. The chip reduction means lower power consumption and reduced heat build-up, making for long-term reliability. It also means that there is more room on the board so we added a second oscillator for even better resolution. Add that to our two year warranty and you've got the EGA board that everyone will be trying to copy next year. The beauty is that you can have it all right now.

A SHORT BOARD THAT'S LONG ON FEATURES:

VEGA Deluxe works in any slot of any PC and most compatibles, including slot 8 of an IBM PC/XT.

- RAM-based character generator allows up to four sets of 256 different characters or two sets of 512 different characters for multiple character fonts.
- Character cells can be any size up to 32 dots high and 8 dots wide.
- 256K dynamic RAM screen buffer (supports up to 8 graphics pages).
- Smooth, flicker free horizontal and vertical scrolling.
- Will co-exist with a Monochrome Display Adapter or Color Graphics Adapter residing in another slot.
- Supports horizontal "split screen" applications compatible with IBM's EGA.

SYSTEM REQUIREMENTS:

- IBM PC, XT, AT or equivalent with any slot available (any memory capacity).
- IBM Monochrome, Color, or Enhanced Color Display or equivalent, NEC MultiSync or compatible.

MONITOR COMPATIBILITY:

- NEC MultiSync or compatible monitor (high resolution modes require TTL color monitors capable of 25.0 KHz and 29.4 KHz).
- IBM Enhanced Graphics 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).

GRAPHICS MODES:

No. of Colors	Pixels (H x V)	Pages (max.)	Display Req'd (1)	Adapters Emulated (2)
16	320 x 200	8	CD/ECD	EGA
16	640 x 200	4	CD/ECD	EGA
2	640 x 350	1	MD	EGA
2	640 x 350	2	MD	EGA
4/64	640 x 350	1	ECD	EGA
16/64	640 x 350	2	ECD	EGA
4	320 x 200	1	CD/ECD	CGA, EGA
2	320 x 200	1	CD/ECD	CGA, EGA
2	640 x 200	1	CD/ECD	CGA, EGA
2	720 x 348	2	MD	HGC
16/64	752 x 410	1	MS	VEGA Deluxe
16/64	640 x 480	1	MS	VEGA Deluxe

ALPHANUMERIC MODES:

No. of Colors	Char. x Rows	Char. Cell	Pages (max.)	Display Req'd (1)	Adapters Emulated (2)
16/64	80 x 25	8 x 14	8	ECD	EGA
16/64	80 x 43	8 x 8	4	ECD	EGA
2	80 x 43	9 x 8	4	MD	MDA, EGA
2	40 x 25	8 x 8	8	CD/ECD	CGA, EGA
16	40 x 25	8 x 8	8	CD/ECD	CGA, EGA
2	80 x 25	8 x 8	8	CD/ECD	CGA, EGA
16	80 x 25	8 x 8	8	CD/ECD	CGA, EGA
2	80 x 25	9 x 14	8	MD	MDA, HGC, EGA

(1) ECD = Enhanced Color Display, MD = Monochrome Display, CD = Color Display, MS = MultiSync.

(2) EGA = Enhanced Graphics Adapter, CGA = Color Graphics Adapter, HGC = Hercules Graphics Card, MDA = Monochrome Display Adapter. VEGA Deluxe = higher resolution than currently supported by IBM EGA standard.

USER CONTROLS:

Back Panel Access:

- Switches 1-4: Initial mode selector and primary/secondary display adapter priority selector (required when VEGA Deluxe is used with another display adapter in the system).
- Switch 5: Emulation mode enable/disable (ON allows VEGA Deluxe to emulate other adapters such as CGA or Hercules).
- Toggle Switch: Enhanced Color Display enable/disable (in contrast to IBM's EGA, VEGA Deluxe allows switching between enhanced color and color or monochrome displays without removing PC's cover).

Internal:

- Jumper Selector: Address Port select (3XX/2XX—normally left in 3XX).
- Jumper Selector: Slot 8 select (for installation in slot 8 of PC/XT)

SOFTWARE UTILITIES:

- "CGA" function enables IBM Color Graphics Adapter emulation mode.
- "MONO" function enables IBM Monochrome Display Adapter and Hercules Graphics Card emulation mode.
- Emulates Hercules Graphics Card in both "FULL" *and* "HALF" modes.
- "FULL" option in MONO mode allows use of two pages of memory.
- "HALF" option in MONO mode allows use on only the first page of memory permitting an IBM-compatible Color Graphics Adapter to be used in the same system.
- "SAVE" function turns off the display after a period of inactivity selected by the user (normally set to five minutes).

DIMENSIONS:

- PC Board: 4.2 in. high x 5.0 in. long (fits short slot of IBM PC/XT).
- Connectors: (1) DE-9 female, compatible with IBM EGA, CGA, or MDA.
  (1) 32-pin, EGA-compatible "feature connector."
  (2) RCA phono connectors, compatible with IBM EGA.
  (1) 6-pin, keyed (pin 2 removed) light pen connector.

WARRANTY:

- All Video-7 products are guaranteed to be free of defects in material and workmanship for a period of two years from the date of purchase (see Warranty Card for more information.)

VIDEO 7 SEVEN

Video Seven Inc.
550 Sycamore Drive, Milpitas, CA 95035
(408) 943-0101

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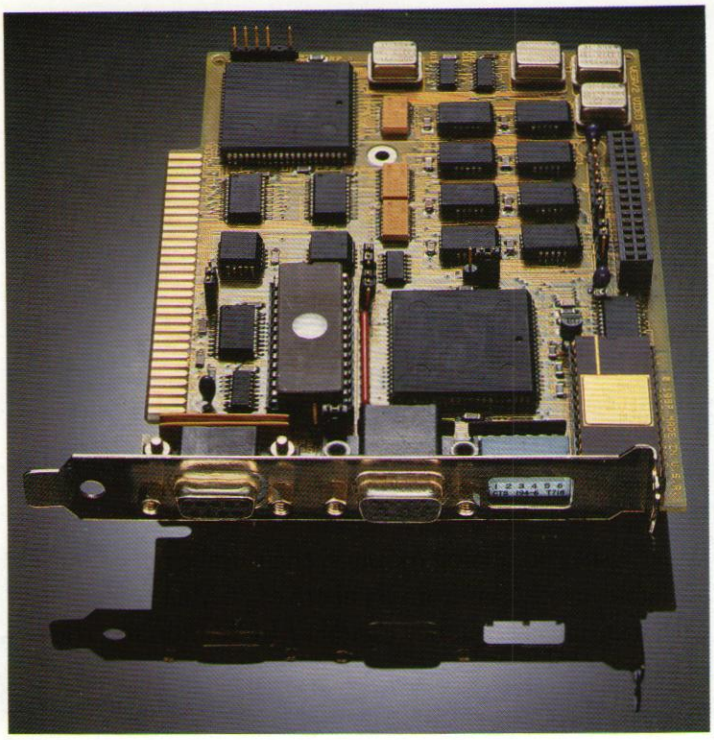

Windows/386 Compatible

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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