



# *AutoSwitch™ EGA 350 Card*



***Exceptional Video,  
Exceptional Value.***

The Paradise *AutoSwitch™* EGA 350 Card delivers exceptional video performance on monochrome, RGB and enhanced-RGB monitors designed for use with the IBM\* PC, XT, AT and compatibles. It offers 100% compatibility with the IBM EGA standard and a value that no other card in its class can match. Check out this array of outstanding features:

***AutoSwitch.*** Automatically reconfigures itself to the graphics mode required by the software in use (EGA, CGA, etc). No switches to set or commands to key in.

***Automatic Monitor Detection.*** Automatically recognizes monitor type and configures itself accordingly. Saves you the trouble of setting switches.

***640 x 480 Display.*** Provides excellent EGA resolution, delivering improved video detailing.

***Outstanding Color Clarity.*** Offers a choice of 16 on-screen colors from a 64 color palette.

***Complete Video Standard Compatibility.*** Provides 100% downward compatibility with pre-EGA standards such as MDA, Hercules,\* CGA and Plantronics.

***A Full Complement of  
256KB Video Memory.***

***Flicker-Free Scrolling.*** Eliminates the visually fatiguing problem of flickering in all modes.

***Limited One-Year Warranty.*** Covering repair or replacement of defects on cards properly installed and used.

# AutoSwitch EGA 350 Specifications



## Physical Characteristics:

- ▲ Fits any IBM expansion slot, even short slots
- ▲ Height 5 inches, including bracket
- ▲ Length 5 7/8 inches, including bracket
- ▲ Weight 6 ounces

## Connectors:

- ▲ Nine pin connector for all supported monitor types
- ▲ Berg strip for light pen
- ▲ IBM feature connector and associated RCA jacks

## Controls:

- ▲ Six position DIP switch above connectors configures the card and controls these features:

### AutoSwitch

Automatic Monitor Detection

- ▲ 2XX/3XX jumper (like IBM) controls addressing of the card

## Environmental Limitations:

- ▲ Ambient temperature
  - Storage/shipping -40 to +62 C
  - Operating +4 to +55 C
- ▲ Ambient relative humidity
  - Storage/shipping 5% to 95% RH
  - Operating 8% to 80% RH

## Electrical:

- ▲ Voltage +5V (±5% regulation)
- ▲ Current Demand: Nominal .75A (5V)
- ▲ Average power consumption: 4W
- ▲ EMI (Electro-Magnetic Interference): FCC Class B

## Sync Frequencies by Monitor Type:

Mode	Vertical	Horizontal
EGA Monochrome	49.4 Hz	18.2 KHz
MDA Monochrome	50.0 Hz	18.43 KHz
Hercules Monochrome	50.9 Hz	18.8 KHz
Standard RGB	60.0 Hz	15.7 KHz
Enhanced RGB (200 line mode)	60.0 Hz	15.7 KHz
Enhanced RGB (350 line mode)	60.0 Hz	21.8 KHz

## Video Port Connector Pinout by Monitor:

PIN	Monochrome	RGB	Enhanced RGB
1	Ground	Ground	Ground
2	Ground	Ground	S. Red
3	Red	Red	Red
4	Green	Green	Green
5	Blue	Blue	Blue
6	Intensity	Intensity	S. Green
7	Video	No Con	S. Blue
8	H. Sync	H. Sync	H. Sync
9	V. Sync	V. Sync	V. Sync

## Monitor/Software Compatibility

The following table lists the "families" of software compatibility and dot/color resolution modes automatically available according to the type of monitor you are using.

Monitor in use:	You can run software written for:	Resolution(s) available:
Monochrome	Monochrome Display Adapter (MDA)	80 character text
	Hercules Graphics Card	720h by 350v B&W
	EGA monochrome mode	640h by 350v B&W
Standard RGB	Color Graphics card (CGA)	40 or 80 column text 320h by 200v by 4 colors 640h by 200v B&W
	Plantronics modes	320h by 200v by 16 colors 640h by 200v by 4 colors
	EGA in 200 line modes	640h by 200v up to 16 colors
	Enhanced RGB	All modes listed under Standard RGB plus: EGA in 350 line modes

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