

IT SKILLS IMPORTANT

Q. What is VDA? Explain different types of VDA?

Ans. **Video Display Adapters:**

To display graphics on a display screen it must have a **Video Display Adapter** attached with the computer. It is known as a video graphics card. Video graphic card is a circuit board that determines the resolution, number of colors, and speed with which images appear on the display screen.

Types of Graphic Card:

So far, there are three types of graphics cards introduced:

- 1. VGA:** Video Graphics Array, support 16-256 colors, depending on, screen I resolution. At 320 x 200 pixels, it will' support 16 colors and at 640 x 480 pixels, 256 colors. It is called 4-bit color.
- 2. SVGA:** Super Video Graphics Array, support 256 Colors at higher, resolution than VGA. It has two graphics modes: 800 x 600 pixels and 1024 x 768 pixels It is called 8-bit color.
- 3. XGA:** Extended Graphics Array, supports up to 16.7 million colors at a resolution of 1024 x 768 pixels. Depending on the video display adapter memory chip, XGA will support 256, 65536, or 16,777,216 colors. It is called 24-bit color or True color.

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Student Note:

- 1. Currently there are many more types but this book and syllabus hasn't been update for many years. HDMI, Display port & DVI are new current main standards. The newest is mini display port and C port (USB C Port).**
- 2. The difference in color represent that heading or paragraph can come as a separate short question.**