VIDEO CARDS

Contens

- What is video card?
- History
- Main Components
- Advantages of Video Cards

What is video card?

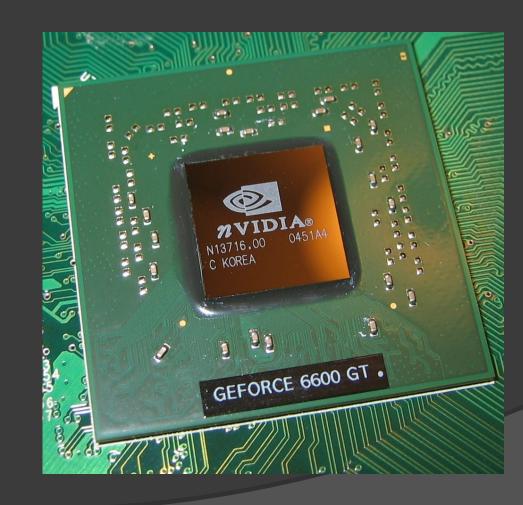
- Is hardware component
- Function is to generate and output images to a display
- Plugged is into a slot on the computer's motherboard

History

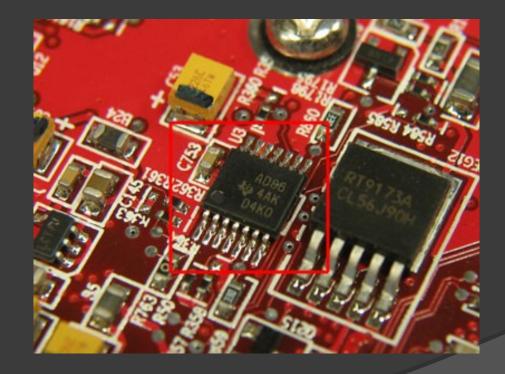
- First video card was MDA in 1981
- In 1995 first card was released

Main components

• GPU



• Video BIOS



• Video memory

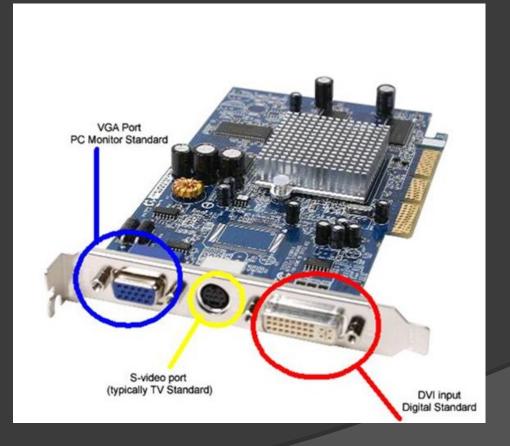
CMOS Setup Utility - Copyright (C) 1984 Advanced BIOS Featur

Onboard VGA output connect[D-SUB/DVI] UMA Frame Buffer Size [512MB] [Onboard] Init Display First × Surround View Disabled Virtualization UMA Frame Buffer Size AMD K8 Cool&Quiet ▶ Hard Disk Boot Pr First Boot Device Auto [] Second Boot Devic 128MB [] Third Boot Device 256MB [] 512MB [=] Password Check HDD S.M.A.R.T. Ca Away Mode 1↓:Move ENTER : ESC:Abort ↑↓++:Move Enter:Select +/-/PU/PD:Value F10: F5:Previous Values F6:Fail-Safe Defaults

RAMDAC



Outputs



Cooling Devices



Motherboard Interface

Advantages of Video Cards

- Anti-Aliasing
- Motion Blur
- Texture mapping
- Depth of field

Summary

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- History
- Main Components
- Advantages of Video Cards

Conclusion

 Now are ATI and NVIDIA biggest sellers of GPU-s.

QUESTION TIME

Sources

 <u>http://www.authorstream.com/Presentati</u> <u>on/utpal.mecha-111419-graphics-card-rd</u> <u>s-entertainment-ppt-powerpoint/</u>