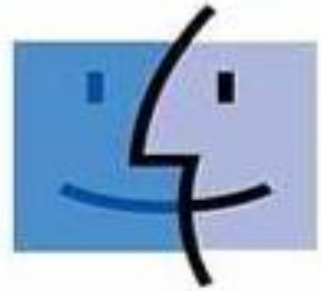
OPERATING SYSTEM (OS)

Microsoft

Apple



Mac OS

symbian

ubuntu

Linux

MS DOS

BOOT & BOOT PROCESS

➔Power buttom ON
➔SMPS
➔ POST (Internal/external device check) { cpu + ram + mother board} {Error – beep sound}
➔ BIOS/Firmware{store in ROM} (check /search करता हैं की OS कहाँ हैं – hard disk, pen drive, CD)
➔ Bootstrap loader – start/load OS
➔ Kernal – all essential system file load in RAM
➔ RAM
➔ login page
➔ application software ready to run
➔ window open / home page

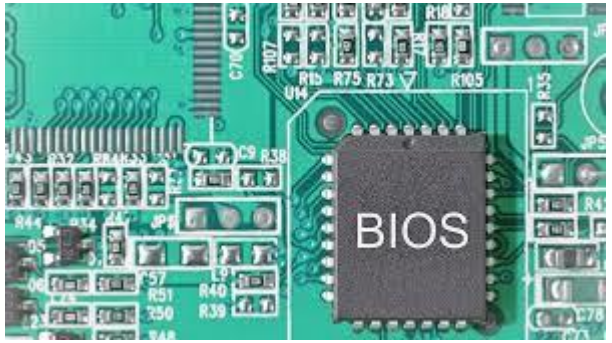
1. Cpu
2. RAM
3. MONITOR
4. KEYWORD
5. MOUSE
6. UPS
7.SPEAKER
8. GRAPHIC CARD (OPTIONAL)
9. Mother board
10. Hard disk

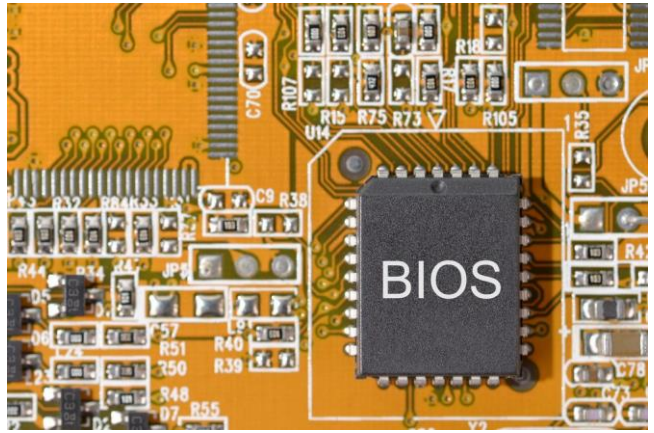
230V

cromä

FRONTECH
FRONTECH

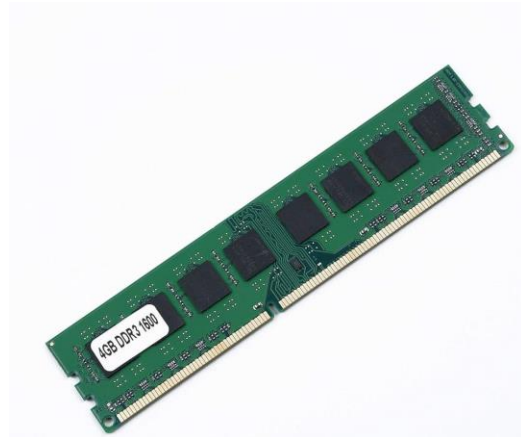
Starting Windows
© Microsoft Corporation


BIOS


BIOS

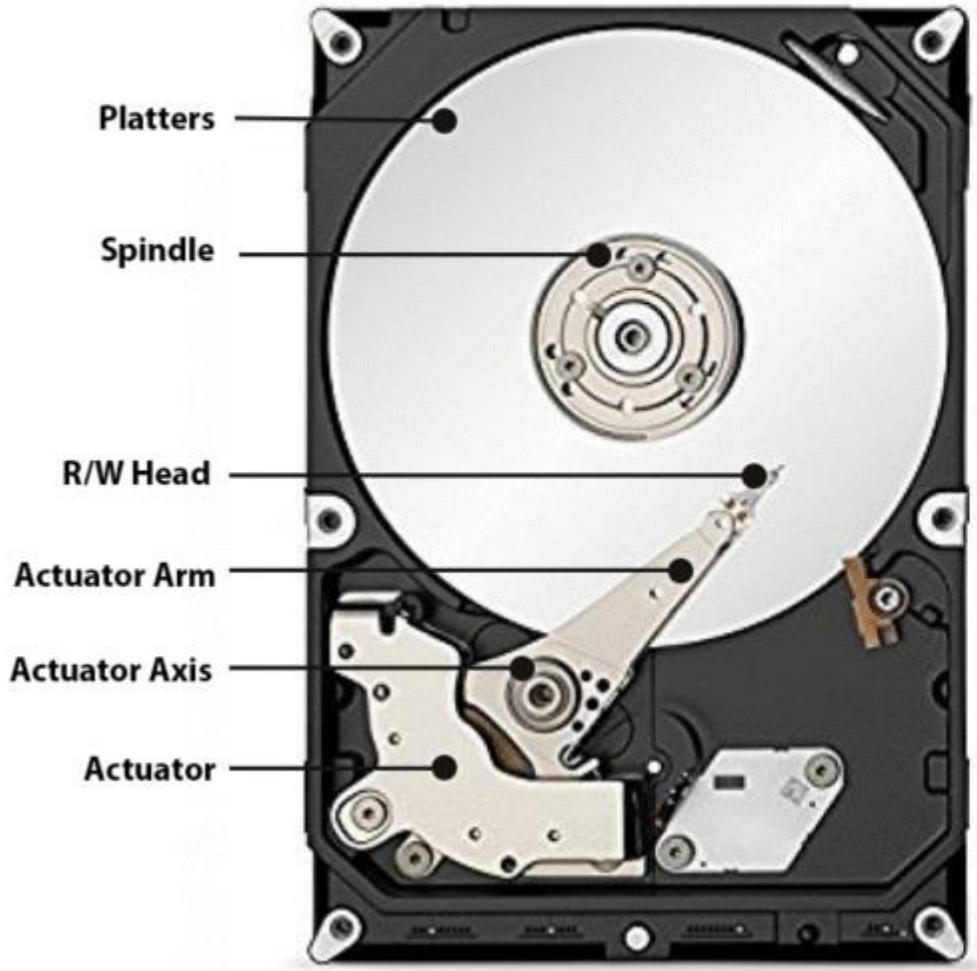
Power Supply Cooling Fan
Power Connector
PS/2 Mouse Connector
PS/2 Keyboard Connector
Thumb Screw
Parallel Port
Serial COM Port
VGA Port
Case Cooling Fan
USB Ports
10/100Mbps RJ-45 Ethernet LAN Port
Microphone Jack
Security Lock Port
Audio Out Jack
Line In Jack
Expansion Slots
Thumb Screw
56Kbps RJ-11 Modem Ports

intel
9th Gen
Intel® Core™ i9

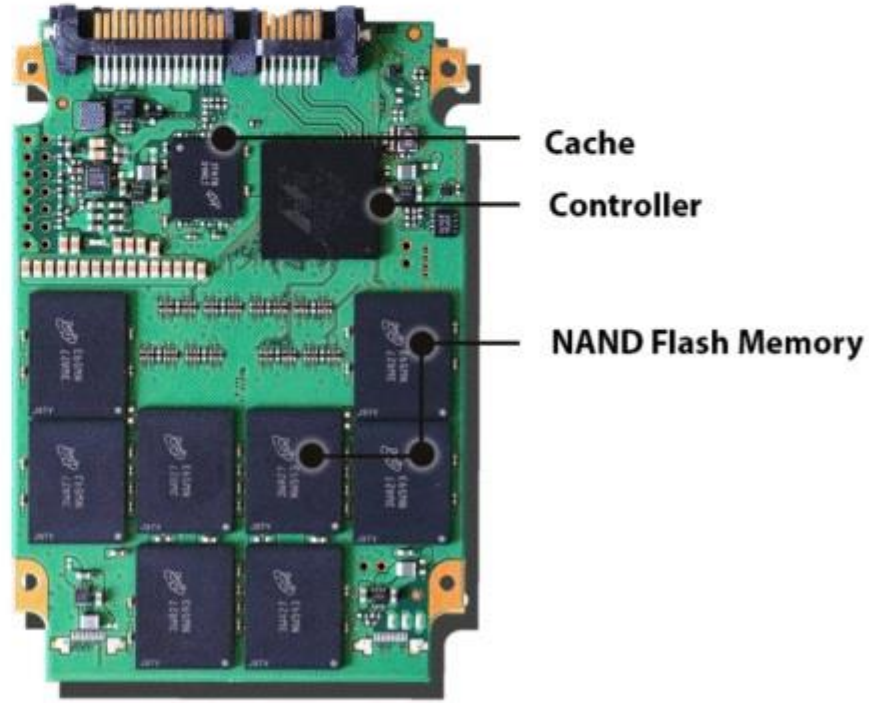

4GB DDR3 1600

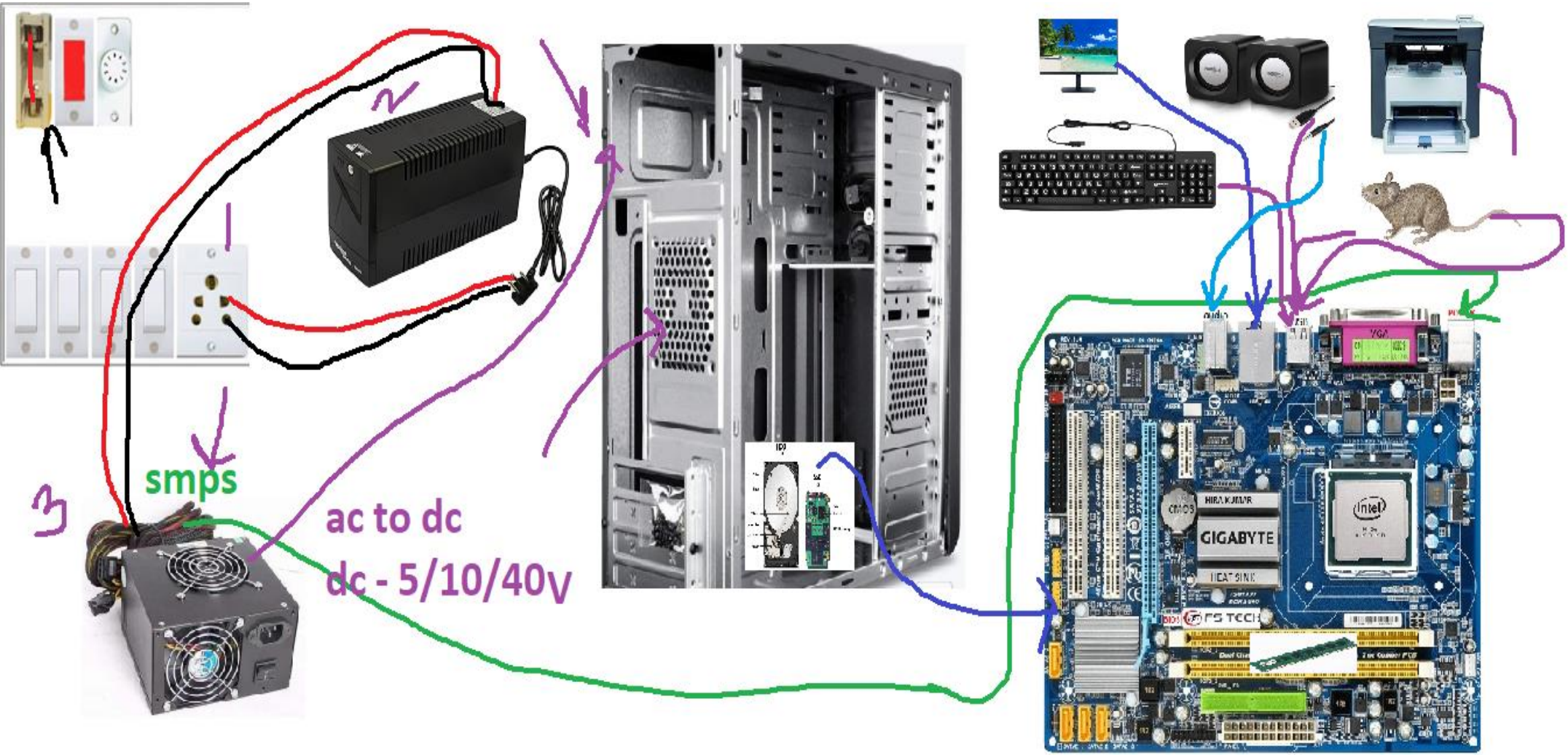
Windows 10

HDD
3.5″


Platters
Spindle
R/W Head
Actuator Arm
Actuator Axis
Actuator

SSD
2.5″


Cache
Controller
NAND Flash Memory


2
1
smps
3
ac to dc
dc - 5/10/40v
GIGABYTE
HEAT SINK
intel

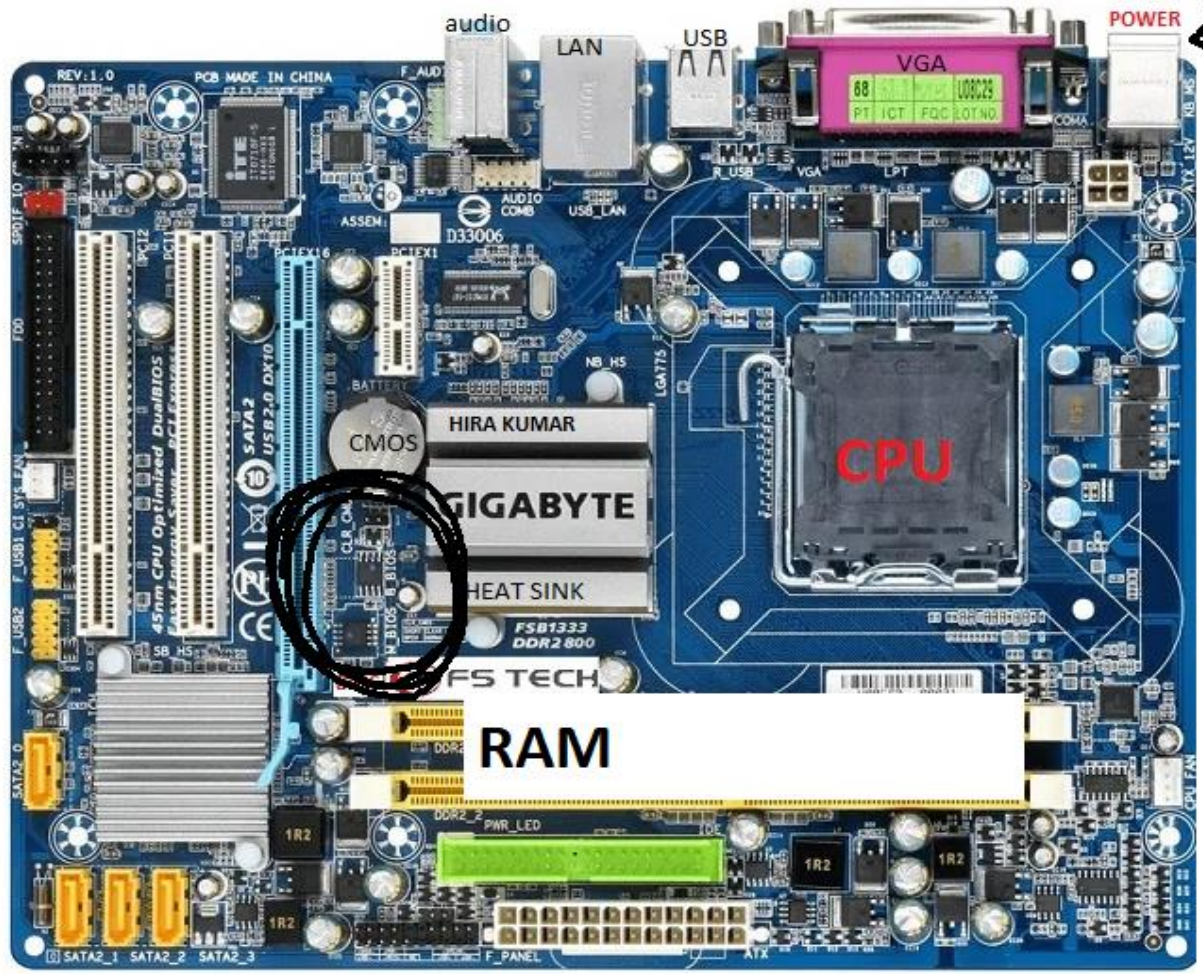
CPU

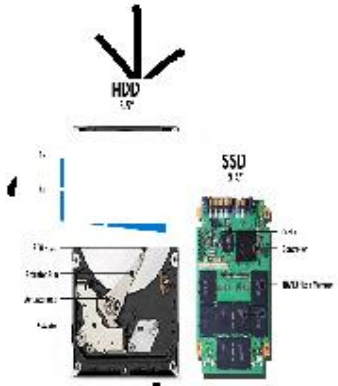
RAM

HADR DISK/SSD

HDD/SD

PEN DRIVE





BIOS

POST

boot process