



<b>Academic Year</b>	<b>Module</b>	<b>Assessment Number</b>	<b>Assessment Type</b>
S20	Computer Architecture and Operating System (DipIT05)	A1	Individual Report

[Technology Report]

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 Submitted on : <02/04/2020>

<b>Assignment Criteria</b>	<b>Marks</b>	<b>Remarks</b>
<b>Computer Components and Equipment</b> <ul style="list-style-type: none"> <li>✓ List and state the functions of the main components of the computer <b>(6 marks)</b></li> <li>✓ Distinguish between different types of processors. <b>(5 marks)</b></li> <li>✓ Distinguish between different types of RAM (random Access Memory) <b>(5 marks)</b> <ul style="list-style-type: none"> <li>ü Distinguish between different types of ROM (Read Only Memory) <b>(5 marks)</b> <ul style="list-style-type: none"> <li>ü Distinguish all the different types of memory systems present <b>(3 marks)</b></li> </ul> </li> <li>ü Distinguish between different types of Hard-drive controllers. <b>(3 marks)</b> <ul style="list-style-type: none"> <li>ü Distinguish between the different internal power connectors <b>(3 marks)</b></li> </ul> </li> </ul> </li> </ul>	<b>/30</b>	
<b>Budgeting and Planning for PC</b> <ul style="list-style-type: none"> <li>ü Draft a budget for a cheap and top range PC. <b>(5 marks)</b> <ul style="list-style-type: none"> <li>ü Research components and get costings for individual components. <b>(5 marks)</b> <ul style="list-style-type: none"> <li>ü Calculate the total cost of cheap and top range PC. <b>(5 marks)</b></li> </ul> </li> </ul> </li> </ul>	<b>/15</b>	
<b>Conclusion</b>	<b>/2</b>	
<b>Report Format</b>	<b>/3</b>	
<b>Total</b>	<b>/50</b>	

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List of the main components of the computer.

The main components of the computer are:

- i) The Motherboard
- ii) CPU
- iii) Random Access Memory
- iv) Hard Disk
- v) GPU/ Video cards
- vi) Power Supply

## i) The Motherboard

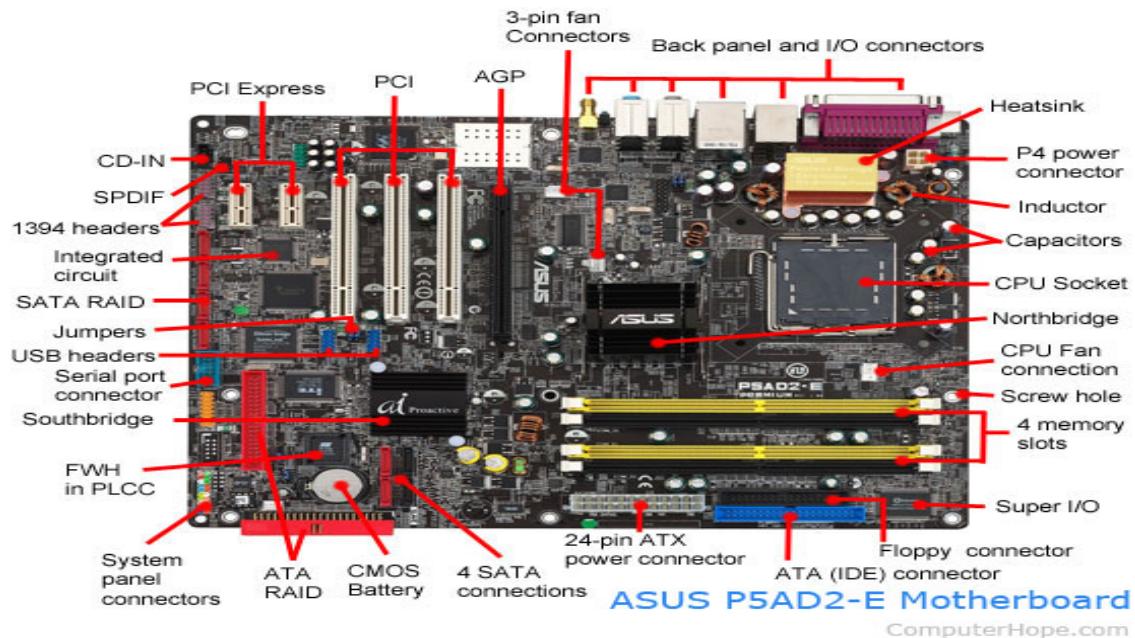


Figure 1: Motherboard (Kaif, 2013)

Motherboards is the component that connect between hardware's components like CPU, Memory, hard drive, graphic cards, printers and others portable cables that attach with computer to the motherboards. It is also called as backbone of the computer. The main purpose of the motherboard is to connect all the parts of the computer together and to function properly by using its printed circuit board. The parts and ports of the computer can be connected directly or via special cables which is attached with the motherboard. For example: when you connect your computer with USB that is known as direct connection. Every Motherboards are designed to work with capability of processors.

Features:

The Motherboard is also known as backbone of a computer on which other modular parts like: RAM, CPU and hard disk are installed.

It supports various types of computer components like CPU, Memory by connecting together using its printed circuit board.(Kaif, 2013)

## ii) CPU

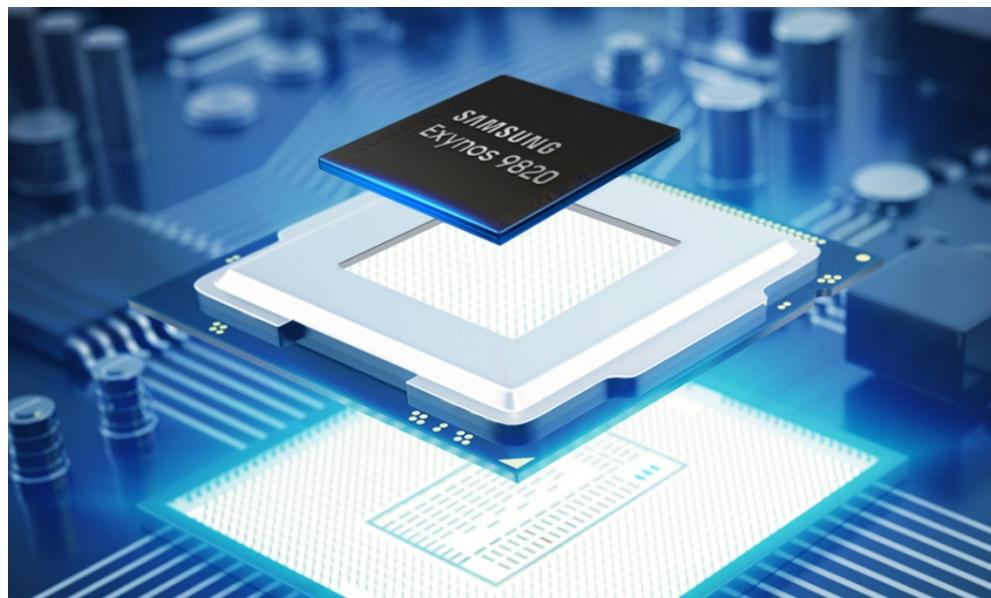


Figure 2 CPU (Thomas, 2020)

CPU is the important component that consist a control unit, register and Arithmetic Logic Unit (ALU). It is also called as “the brain” of the computer which response logical circuitry. An avid tech journalist ‘Jeremy Laird’ said that “the CPU’s function is to select instructions, process them, perform arithmetic and logical comparisons, and store results of operations in memory”. The control unit retrieves the basic instruction form Ram and execute in the data. The processor uses the ALU to calculate and analyze logical mathematical operations. For example: suppose a calculator solving mathematical problem of addition and subtraction.

Features:

CPU perform basic arithmetic, input/output and logical operations, and allocate commands to other parts and integrated circuity (IC) chip on the computer.

It executes programs which are stored in memory. (Rouse, n.d.)

### iii) Random Access Memory (RAM)

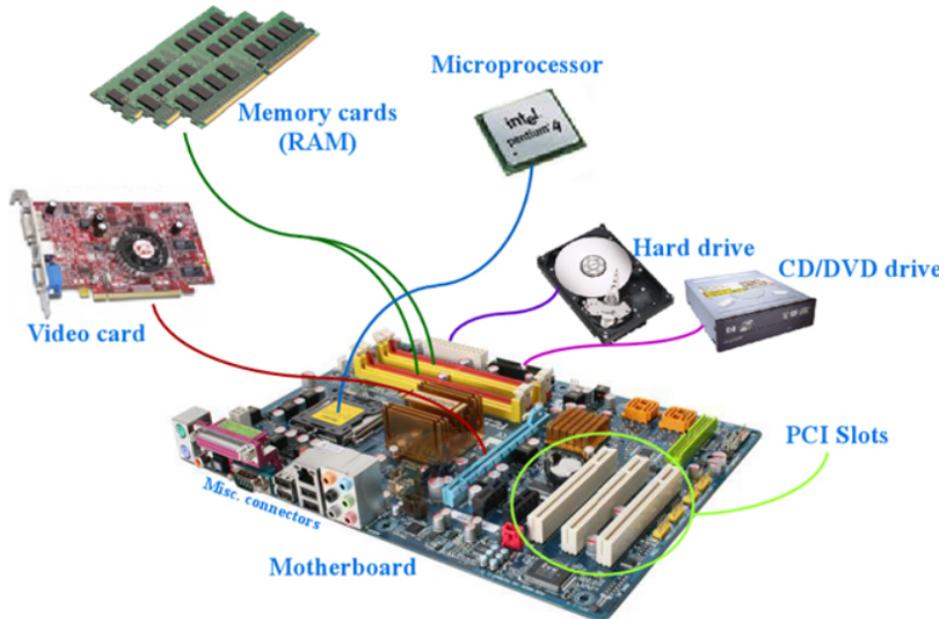


Figure 3 Ram (SlideShare, n.d.)

Ram is a hardware device that store and retrieve information on a computer. It allows user to run several programs at once, without any delay, bug or long load times. The user can access randomly any byte of memory without touching preceding bytes. There are two main types of RAM i.e. Dynamic Random-Access Memory (DRAM) which indicates the memory must be updated regularly or else it will lose its contents and Static Random-Access Memory (SRAM) which doesn't have to be refreshed, unlike DRAM.

However, as both RAM are volatile, when the power is switched off, they lose their contents and information. For example, it is the reason to speed up file access and temporary storage behind the scene, even though when user are not interacting with the system.

Features:

They are smaller in size and also faster than hard drive.

It reads file from data. (Beal, n.d.)

iv) Hard disk

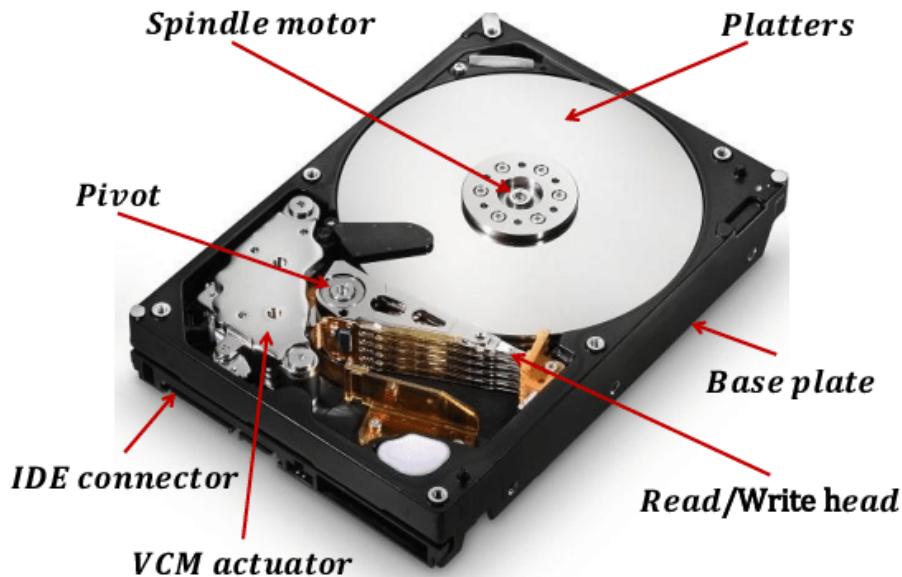


Figure 4 Hard disk (Pinterest, 2020)

Hard disk referred as non-volatile because the data store in storage device remains even the computer's power is switched off. It is normally mounted internally on a computer, directly connected to the computer's motherboard disk controller. It comprises one or more plates which are housed within an air- shell. It is work by writing data on the platters using a magnetic head that travels over them as it spins. SSDs are said to be faster and efficient hard disk. Large amount of information and essential files can be store in it.

Features:

Hard disks are Specially made for storing large amount of data.

It connects to the computer device using data cable (SATA or SCSI) to the motherboard and power cable to power supply through internal hard disk. (Computer Hope, 2020)

v) GPU/ video cards

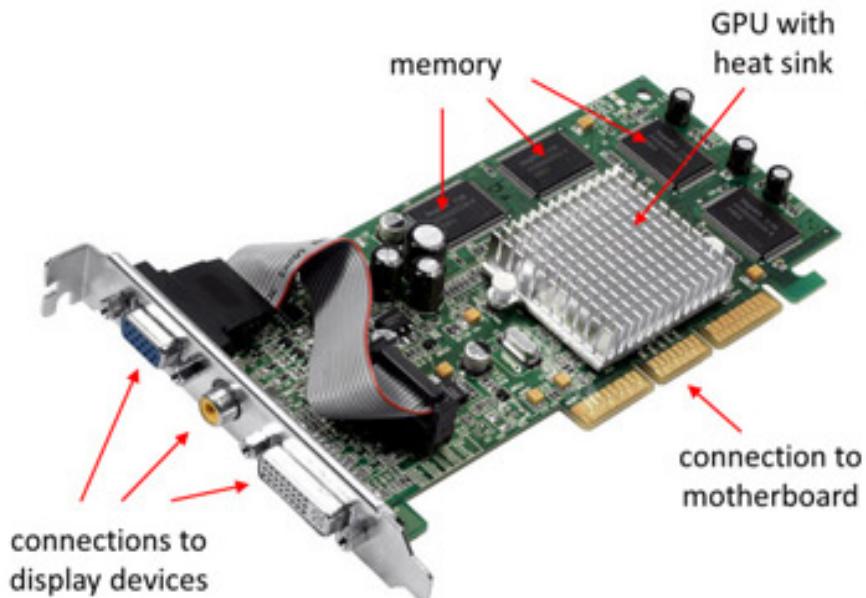


Figure 5 GPU (Study, n.d.)

A Video card is a piece of rectangular computer hardware with multiple contacts at the bottom of the card, and one or more ports at the side for connecting to video screens and other devices. An expansion card is always connected to the computer motherboard which helps to create 2D/3D picture on display. Graphics cards can produce graphics and images more quickly. Each motherboard only supports a limited range of video card formats so be sure to consult with the manufacturer of your motherboard before making a purchase.

Features:

GPU produces 2-D or 3-D graphics and image more quickly in the computer.

It supports application containing high-intensity graphic software like; AutoCAD. (Computer Hope, 2020)

## vi) Power Supply

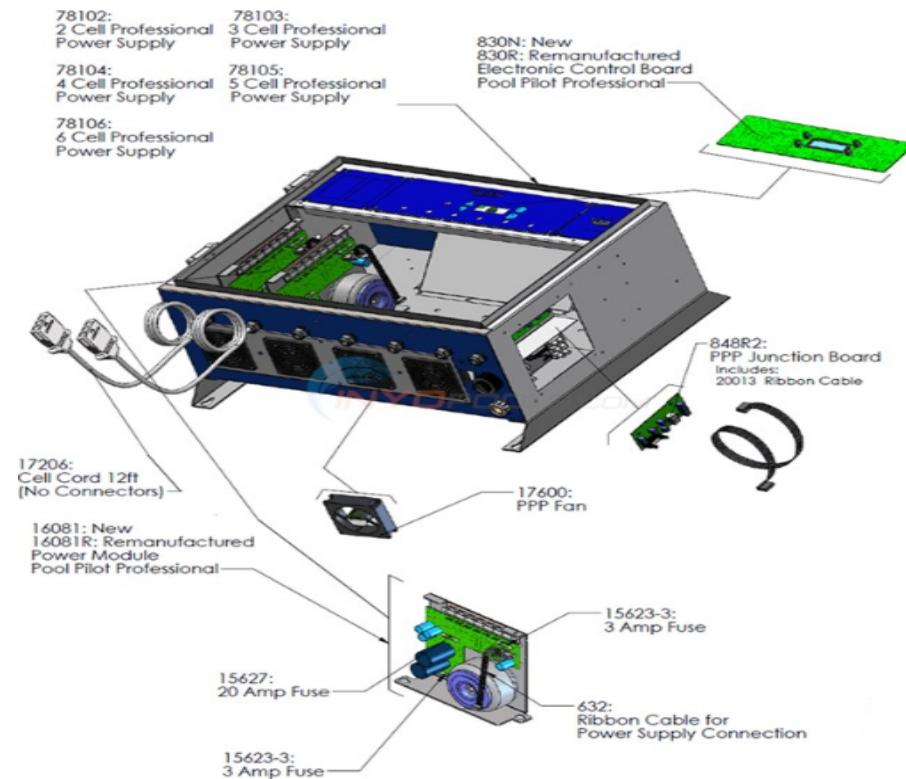


Figure 6 Power Supply (INYOPOOLS, n.d.)

Power supply is the parts of hardware where power is supplied in all other components such as a graphics cards and hard drive of the computer. It contains large amount of wire inside box. It attaches to the motherboard, and via loops or traces the electric charge is transmitted to the onboard devices.

Features:

The power supply supplies the power to all other components like memory of computer.

It converts power Alternating Current (AC) into Direct Current (DC) which is usable by the computer. (Computer Hope, 2020)

## Distinguish between processors intel and Advance Micro Device (AMD)

The distinguish between processors intel and Advance Micro Devices (AMD) are:

Table of differences	Intel	AMD
Stands for	Intel stands for intel corporation.	AMD stands for Advanced Micro Devices.
products	AMD have products like; CPUs, Microprocessor, motherboard chipsets, network interface controller, flash memory, Wi-Fi and Bluetooth chipsets, solid state drives, iGPU, SoCs.	Intel have products like; microprocessor, Graphics cards.
Faster	Intel are faster than AMD.	AMD are slower than intel.
founded	It was founded at 1968 A.D.	It was founded at 1969 A.D.
cost	The products of intel are expensive than AMD.	The same basic products like intel are cheaper than intel.
Heat performance	It runs cooler than AMD processors.	It runs warmer than intel processors.

(diffen, n.d.)

## Distinguish between different types of RAM (Random Access Memory)

RAM is the system memory where data or information are stored. This type of memory is temporary because all data stored in the computer lost when the computer is turned off and also known as non-volatile memory. The differences between types of RAM are given below:

Table of difference	SRAM	DRAM
Access time	The access time of SRAM is lower and faster than DRAM.	THE access time is higher and slower than SRAM.
Price	It is expensive than DRAM.	It is cheaper than SRAM.
Storage	It contains 1MB to 16MB storage capacity.	It contains 1GB to 16GB storage capacity.
Size	It is small in scale.	It can only be found on large storage capacity.
Packaging density	The packaging density is lower than DRAM.	The packaging density is higher than SRAM.
Data store	Bit are stored as voltage.	Bit are stored as charge.

(Guru99, n.d.)

Distinguish between different types of ROMs.

ROM is the system of memory where stores the instructions needed to start a machine. This type of memory is permanent because all data stored in the computer remains even the computer is turned off and also known as volatile memory. The difference between types of ROMs are given below:

Table of difference	PROM	EPROM	EEPROM
Full Form	PROM's full form is Programmable Read Only Memory	EPROM's full form is Erasable Programmable Read Only Memory.	EEPROM's full form is Electrically Erasable Programmable Read Only Memory.
Memory type	It can only be modified for one time.	It can be erased and reused.	It can be erased and reprogrammed again and again with the help of average electrical voltage.
Developed	In 1956, Wen Tsing Chow developed PROM.	In 1971, Dov Frohman developed EPROM.	In 1978, George Perlegos developed EEPROM.
Reprogram	It can only be reprogrammed one time.	It can be reprogrammed with the help of ultraviolet light.	It can be reprogrammed with the help of electrical charge.

(Lithmee, 2019)

Distinguish all different types of memory systems present.

The distinguish of all different types of the memory system are:

Table of difference	Associative memory	Virtual Memory	Cache Memory
Basic	Associative memory is also known as Content addressable memory in which data content are accessed parallelly rather than by specific location or address.	A memory that uses software and hardware to allow a device to compensate for physical memory shortages by moving data from RAM to disk storage for a temporary time.	Cache memory is small but very fast memory which boost the primary memory by increasing accessing time from the system.
function	It can find empty unused location in which to store the word.	It can fix the amount of usable physical memory and makes programming activities easier to the programmers.	It can transfer data from secondary memory to the recently-used primary memory.
size	It is about half of the largest available SRAM chip.	It is far larger than cache memory in size.	It is bounded size.

(TechDifferences, 2017) (Rawat, 2019)

Distinguish between different types of Hard-drive controllers.

Table of differences	PATA	SATA	Serial Attached SCSI
basic	PATA is an interface for connecting processor and the drives.	SATA uses serial signals to transfer data, instructions and information.	SCSI interfaces support parallel signals up to 8 or 15 peripheral devices.
stands	It stands for Parallel Advanced Technology Attachment.	It stands for Serial Advanced Technology Attachment.	It stands for Serial Attached Small Computer System Interface.
support	It cannot support Optical disc drives hard disk or tape drives.	It supports optical disc drives connections.	It supports many devices like; optical disc drives, hard disk, tape drives and network cards etc.

(IT Technology, n.d.) (Editorial stuff, 2018)

Distinguish between the different internal power connectors.

8-pin. ATX to 4-pin. ATX	6-pin. to 8-pin. (6+2) for PCI-Express	SATA-power Y-cable
Motherboard to power supply cable provides 8 pin PCIe connection for GPU power. (EVGA, 2017)	It allows connections a power supply without 8 pin PCIe connection for GPU power using video card to power supply cable. (amazon, 2020)	It allows to add and connects additional SATA power to computers Power Supply. (amazon, 2020)

## Building and planning for PC

Cheap Range PC:

S. N	Components	Price (Excluding VATs, TAX and others)
1	Motherboard Brand: Zebronics Model ID: G41 Form Factor: ATX Socket Type: INTEL CPU onboard Chipset: Intel G41 Memory config:8GB GB DDR3 8gb DDR3 ddr 8gb Storage: SATA 6 Gb/s:4 Graphics: Integrated Graphics card	INR 2,890 = NPR 4,613 (Flipkart, 2020)
2	Processor Brand: Intel Model: INTEL 3.0(E8400) PROCESSOR (REFURBISHED NOT NEW), THERMAL PASTE (NO FAN INCLUDED) Core: dual core Clock speed: 3GHz Socket: LGA 775 Color: silver	INR 380 = NPR 612 (Flipkart, 2020)
3	RAM Brand: Z00NIS Model ID: JK800D2N6/2G Data Rate: DDR2	INR 499 = NPR 804 (Flipkart, 2020)

	Additional Features: SUPPORT,945, G31, Z31 MOTHER BOARD	
4	<p>Hard Disk</p> <p>Model ID: HDTB405AK3AA</p> <p>Type: HDD</p> <p>Capacity: 500 GB</p> <p>Connectivity: USB 2.0, USB</p> <p>Form Factor: Portable</p> <p>Number of Port: 1</p> <p>System Requirements: Formatted NTFS for Microsoft Windows 7 and above</p> <p>Data Transfer Rate: Upto 5 Gbps</p> <p>Rotational Speed: 5400 RPM</p> <p>Case Material: Plastic</p> <p>Power Source: USB Powered</p> <p>Others: Shock Resistant, Backward Compatible, Password Protection</p>	INR 3,062 = NPR 4,934 (Flipkart, 2020)
5	<p>Graphic Card</p> <p>Brand: ZOTAC</p> <p>Model ID: geforce gt 710</p> <p>Graphic Engine: NVIDIA geforce gt 710</p> <p>GPU Clock: 954 MHz</p> <p>Processors and Cores: 192 CUDA Cores</p> <p>Bus Standard: PCI Express 2.0</p> <p>Part Number: 288-7N326-001Z8/PN 9288-7N326-001Z8</p> <p>Memory: 64-bit, 2GB DDR3 Memory with 1600 MHz</p>	INR 3,475 = NPR 5551 (Flipkart, 2020)

	Technologies Supported type: Microsoft DirectX v11, Open GL Optimization v4.5  Connectivity: 1xVGA DSub Output, 1 x DVI Out, 1 x HDMI Output Out, HDCP Support and HDTV Support	
6	Cooler Fan  Brand: MEXICO  Model ID: DC FAN – 80X80X25MM(12 VOL)  Cooler Type: Cooling Fan, 80 mm  Fan Speed: 3000 RPM  Fan Weight: 50 g	INR 121 = NPR 193 (Flipkart, 2020)
7	CPU Case  Type: Mid-Tower  Motherboard Supported: ATX, Mini-ITX  Cooling: cooling Solution Support, Air Ducts, Radiator Support  Bays and Expansion Slots: Cable Management  Other USB Ports: USB 3.0X2, mic/audio, power  Audio Jacks: Speaker Jack, Microphone Jack  Power Supply Enclosure: BOTTOM of Cabinet  Other Power Features: 120mm RGB Fansx3, 120/140mm fan mounts, 360mm max liquid cooling  Maximum Graphics Card Size: 386 mm	INR 4799 = NPR 7666 (Flipkart, 2020)
8	Power Supply  Brand: Easy Electronics  Model ID: 5 Volt 5 Amp DC Power Supply SMPS (5V 5A)  Type: Computer PSU  Power Output: 25 W  Connectivity: 5 SATA Cables	INR 357 = NPR 570 (Flipkart, 2020)

9	External Devices Keyboard and mouse Monitor: punta 15-inch HD Monitor (C151)	INR 399 = NPR 637 (Flipkart, 2020) IRE 2748 = NPR 4390 (Flipkart, 2020)
	Total	INR 18,730 = NPR 29,970

## Expensive Range PC

S. N	Components	Price (Excluding VAT, TAX and others)
1	Motherboard Brand: ASUS Model No: ROG STRIXX X99 GAMING ASUS Aura: 4-pin RGB Description: Next-gen connectivity – U.2 / M.2 that tap into 32Gbps of PCIe bandwidth, 2x2 802.11ac Wi-Fi and USB 3.1 Type C	NPR 59,725 (OKdam, 2020)
2	Processor Brand: Intel Product Code: Intel Core i9-9820X Intel Core: 9 <sup>th</sup> Gen Intel Core i9-9820X X-series Processor Cache: 16.5 MB Intel Smart Cache Max Turbo: 4.1 GHz Socket: LGA 2066	NPR 90,800 (BIGBYTE, 2020)
3	RAM Brand: G.Skill Model ID: F4-3600C16D-32GTZR Memory Type: 32 GB 3600 MHz DDR4 DIMM Memory Configurations: Dual Channel Series: Trident Z RGB Specified Voltage: 1.35 V	INR 31,560 = NPR 50,128 (Flipkart, 2020)
4	SSD (Solid -State Storage Device) Brand: Seagate	INR 32,990 = NPR 52,399 (Flipkart, 2020)

	<p>Model ID: STGS2000401</p> <p>Series: Barracuda</p> <p>Type: mSATA SSD</p> <p>Interface: SATA</p> <p>Form Factor: mSATA</p> <p>Capacity: 2 TB</p>	
5	<p>Hard Disk</p> <p>Brand: Dahua</p> <p>SKU 100220859_NP-1020475995</p> <p>Model 6TB</p> <p>Series: HDDSeagate SV35</p> <p>Capacity: 6 TB</p> <p>Support: 1 SATA HDD, up to 6TB</p>	NPR 25,700 (Pricemandu, 2020)
6	<p>Graphic Card</p> <p>Brand: Asus</p> <p>Model ID: ROG-STRIX-RTX-2080TI-A11G</p> <p>Graphic Engine: NVIDIA GeForce RTX 2080 TI</p> <p>GPU Clock: 14000 MHz</p> <p>Processors and Cores: 4352 CUDA Cores</p> <p>Display: Maximum Resolution 7680 x 4320 (Digital)</p> <p>Memory: 352-bit, 11 GB GDDR 6 Memory</p> <p>Additional Features: Axial-tech Fans, Auto Extreme</p>	NPR 231,250 (PASALnepal, 2020)
7	<p>Cooler Fan</p> <p>Brand: Cooler Master</p> <p>SKU 100896575_NP-1021446255</p> <p>Model MLY-D24M-A20MB-R1</p> <p>Cooler Type: Liquid Cooler</p>	NPR 22,500 (Pricemandu, 2020)

	Series: Master Liquid Pro	
8	Power Supply Brand: Gigabyte Model ID: Modular Active Pfc Power Supply Type: Computer PSU Power Output: 700 W SATA: 2 SATA Cables	INR 14,540 = NPR 23,094 (Flipkart, 2020)
9	CPU Case Brand: ASUSTOR Code: AS1002T Processor Type: Dual-core processor RAM: 512MB DDR3 Storage: 2TB Addition Features: Automatic Backup data from PC to NAS	NPR. 33,125 (PASAL nepal, 2020)
10	External Devices Keyboard and Mouse Brand: Dell Model ID: Wireless Keyboard and Mouse – KM 717 Monitor Brand: Acer Model ID: B246HQ: Series: B6 Display: 23>6-inch LED Backlit Display Panel Type: IPS Panel Screen Resolution: Full HD	INR 6,499 = NPR 10,322 (Flipkart, 2020)  INR 1,89,999 = NPR 3,01,783 (Flipkart, 2020)
	Total	NPR 906,826

## Conclusion

Today, in this 21st century, computer is like a part of our daily life. I wonder, how hard would be our life if that first invented building sized computer are still in 21st century without modified into small laptops and computers.

Hardware and software both combine to form a perfect computer. Let's not say perfect- there are still improvements to be done. RAM, ROM, MOTHERBOARD, etc. with different capacity, speed, and program running capacity makes the computer more advanced. Software are those programmed invisible things that makes computer to follow the instructions given by user. So, hardware and software combination make an operating computer. And talking about architecture or design or size, software's and hardware's properties make the architecture of computer simple, size small and so on. So, hardware and software is all about a computer architecture and operating system.

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INTEL® CORE™2 DUO  
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2V92386  
95634

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Warranty SELLER THREE(3) YEARS

Delivery  [Check](#) [Enter pincode](#)

Usually delivered in 7-8 days [?](#)  
Enter pincode for exact delivery dates/charges

[View Details](#)

Highlights

- For Desktop
- Dual Core
- LGA 775
- Clock Speed: 3 GHz

Seller **DIGIFLOOR** [3.1★](#)  
[View more sellers](#) starting from ₹380

**Super Coin**  
For every ₹100 Spent,  
you earn **2 SuperCoins**  
Max 50 coins per order

**ADD TO CART** **BUY NOW**

Description THIS PROCESSOR IS OEM PROCESSOR( NO BOX INCLUDED) IT COMES WITHOUT FAN AND WITH THERMAL PASTE. IT IS REFURBISHED ALMOST NEW AND 100% TESTED BEFORE DELIVERY BY TECHNICAL PERSON OF SST2017..

flipkart.com/zoonis-desktop-ddr2-2-gb-pc-jk800d2n6-2g/p/itm96d0b6de7e2d7?pid=RAMFJGZPNXKBUCFE&lid=LSTRAMFJGZPNXKBUCFEXHQ47E&marketplace=FLIPKART&c

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Electronics TVs & Appliances Men Women Baby & Kids Home & Furniture Sports, Books & More Offer Zone

Home > Computers > Computer Co... > RAMs > ZOONIS RAMs > ZOONIS Desktop DDR2 2 GB PC (JK800D2N6/2G)

4.2★ 26 Ratings & 7 Reviews 

**₹499 ₹799 37% off**

Available offers

Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card [T&C](#)

Warranty 3 YEAR MANUFACTURED WARRENTY

Delivery Enter Delivery Pincode Check Enter pincode

Usually delivered in 3-4 days Enter pincode for exact delivery dates/charges

View Details

Capacity 2 GB

Highlights Data rate: DDR2 Compatible Device: PC

Services 3 YEAR MANUFACTURED WARRENTY  
No Returns Applicable  
Cash on Delivery available

Seller JKCSHOP 4.2★

**ADD TO CART** **BUY NOW**

flipkart.com/toshiba-canvio-basics-a3-500-gb-external-hard-disk-drive/p/itmfh43gcaktm6c?pid=ACCFH43GUGDSNYGJ&lid=LSTACCFH43GUGDSNYGJV4V7LA&marketplace=FLIPKART&c

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Electronics TVs & Appliances Men Women Baby & Kids Home & Furniture Sports, Books & More Offer Zone

Home > Computers > Storage > External Hard... > Toshiba Exter... > Toshiba Canvio Basics A3 500 GB External Hard Disk Drive (Black)

4.4★ 6,465 Ratings & 705 Reviews 

**₹3,062 ₹4,000 23% off**

Hurry, Only 1 left!

Available offers

Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card [T&C](#)

Special Price Get extra 4% off (price inclusive of discount) [T&C](#)

EMI starting from ₹145/month [View Plans](#)

Delivery Enter Delivery Pincode Check Enter pincode

Usually delivered in 3-4 days Enter pincode for exact delivery dates/charges

View Details

Capacity 500 GB 1 TB 2 TB 4 TB

Highlights Portable Hard Drive Capacity: 500 GB Connectivity: USB 2.0, USB 3.0 1 Port

Services 3 Years Domestic Warranty  
10 Days Replacement Policy  
Cash on Delivery available

**ADD TO CART** **BUY NOW**

flipkart.com/zotac-nvidia-geforce-gt-710-2-gb-ddr3-graphics-card/p/itmegtugzghgvubf?pid=GRCEGTUGGTDPAZBK&lid=LSTGRCEGTUGGTDPAZBKAMJGFH&marketplace=FLIPKART&spot

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**ZOTAC NVIDIA geforce gt 710 2 GB DDR3 Graphics Card (Black)**

4.4 ★ 522 Ratings & 123 Reviews

**₹3,475** ₹4,958 29% off ⓘ  
Hurry, Only 3 left!

Available offers

- Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card T&C
- EMI starting from ₹164/month [View Plans](#)

Warranty Standard Warranty: 2 years, Extended warranty: +3 years; Total Warranty: 5 years total

Delivery Enter Delivery Pincode Check Enter pincode  
Usually delivered in 3-4 days ⓘ  
Enter pincode for exact delivery dates/charges

[View Details](#)

Highlights

- 954 MHz Clock Speed
- Chipset: NVIDIA
- BUS Standard: PCI Express 2.0
- Graphics Engine: geforce gt 710
- Memory Interface 64 bit

Services

- Standard Warranty: 2 years, Extended warranty: +3 years; Total Warranty: 5 years total
- No Returns Applicable ⓘ
- Cash on Delivery available ⓘ

Seller OPTICOM 2.8 ★

**ADD TO CART** **BUY NOW**

flipkart.com/mexico-dc-fan-80x80x25mm-12-vol-cooler/p/itm2794d5cb60d3?pid=COLFJ5EY3ZSMGHEN&lid=LSTCOLFJ5EY3ZSMGHENHFKCF&marketplace=FLIPKART&spot

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Electronics TVs & Appliances Men Women Baby & Kids Home & Furniture Sports, Books & More Offer



**MEXICO DC FAN - 80X80X25MM (12 VOL) Cooler (Black)**

3.9 ★ 111 Ratings & 10 Reviews

**₹121** ₹400 69% off ⓘ  
Available offers

- Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card T&C

Warranty 0

Delivery Enter Delivery Pincode Check Enter pincode  
Usually delivered in 9-10 days ⓘ  
Enter pincode for exact delivery dates/charges

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Services

- 0
- 10 Days Replacement Policy ⓘ
- Cash on Delivery available ⓘ

Seller TIARASTORE 2.7 ★  
10 Days Replacement Policy ⓘ

**ADD TO CART** **BUY NOW**

flipkart.com/easy-electronics-5-volt-amp-dc-power-supply-smps-5v-5a-25-watts-psu/p/itm546a16ce5c078?pid=PSUFHV63K4TEB4PU&lid=LSTPSUFHV63K4TEB4PUGV8KJW&

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Home > Gaming > Gaming Com... > Fans & Heatsl... > Easy Electron... > Easy Electron...

**Easy Electronics 5 Volt 5 Amp DC Power Supply SMPS (5V 5A) 25 Watts PSL**

3.4 ★ 11 Ratings & 1 Reviews Assured

**₹357 ₹499 28% off**

**Available offers**

Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card T&C

**Warranty** NO WARRANTY

**Delivery** Enter Delivery Pincode Check Enter pincode

Usually delivered in 7-8 days Enter pincode for exact delivery dates/charges

**View Details**

**Highlights**

- Type: Computer PSU
- Power Output: 25 W

**Services**

- NO WARR.
- 10 Days R
- Cash on D

**Seller** EasyElectronics 4.3 ★

10 Days Replacement Policy

View more sellers starting from ₹357

**ADD TO CART** **BUY NOW**

flipkart.com/quantum-qhm8810-wired-usb-ps2-laptop-keyboard/p/itmegjzh6352grq?pid=ACCEGIZHWZD8HDUH&lid=LSTACCEGIZHWZD8HDUHHBVNDR&marketplace=FLIP... ☆

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Home > Computers > Laptop Acces... > Keyboards > Quantum Key... > Quantum QH...

**Quantum QHM8810 Wired USB, PS2 Laptop Keyboard (Black)**

3.9 ★ 3,232 Ratings & 500 Reviews Assured

**₹399 ₹599 33% off**

Hurry, Only few left!

**Available offers**

Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card T&C

Extra 10% off on this product when bought with Laptop.

**Warranty** 2 Months

**Delivery** Enter Delivery Pincode Check Enter pincode

Usually delivered in 3-4 days Enter pincode for exact delivery dates/charges

**View Details**

**Highlights**

- Size: Standard
- Interface: Wired USB, PS2

**Services**

- 2 Months
- 10 Days Replacement P
- Cash on Delivery availat

**Seller** RetailNet 4.6 ★

10 Days Replacement Policy

**ADD TO CART** **BUY NOW**

flipkart.com/punta-15-inch-hd-monitor-c151/p/itmfaazyzhjd4kuad?pid=MONFAAZYTM55BUJQ&lid=LSTMONFAAZYTM55BUJQ3FXPRL&marketplace=FLIPKART&srno=s\_1\_1...

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View more sellers starting from ₹2,748

**Super Coin**

For every ₹100 Spent,  
you earn 2 SuperCoins  
Max 50 coins per order

### Specifications

General	
Model Name	C151
Color	Black
Display	38.1 cm (15 inch) LED Backlit Display
3D	No
Screen Resolution Type	HD
Sales Package	1
Screen Form Factor	Flat

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okdam.com/asus-rog-strix-x99-gaming-motherboard

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**ASUS ROG (STRIX X99 GAMING) Motherboard**

Brand: **ASUS**

Review ★★★★★ (0)

**Specification**

- Brand Name: ASUS
- Model No: ROG STRIX X99 GAMING
- Next-gen connectivity – Includes extensive upgrades including onboard U.2 / M.2 slots that tap into 32Gbps of PCIe bandwidth, 2x2 802.11ac Wi-Fi and USB 3.1 Type C

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PRODUCT CODE:  
**KEVLG**

QUANTITY:  
 **1**

**NPR 59,725**

\*Note: Deliveries Temporarily Paused कोरोना भाइरस (COVID-19) महामारी संक्रमणको जाखिमबाट बच्न सकारले अत्यावश्यक काममा बाहेक बाहिर नगिस्कन लकडाउन गरिएको छ। यो कुरा को पालना गर्दै २०७६ चैत १० सोमवार बाट अर्को सुचना नआए सम्म डेलिभर सेवा बन्द रहने कुरा सम्बन्धित सबैमा जानकारी गराउदछौं। ओकेदाम परिवार #StayHome #StaySafe

bigbyte.com.np/i9-9820X-price-in-nepal?search=processor

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The screenshot shows the product page for the Intel Core i9-9820X Processor. The main image is a black retail box with 'CORE i9' and 'X-SERIES' visible. Below the image are product details: '9th Gen Intel® Core™ i9-9820X X-series Processor', '16.5 MB Intel® Smart Cache', '10 Cores / 20 Threads', 'Max Turbo Frequency 4.1 GHz', and 'Unlocked Processor'. To the right, there's a sidebar with 'Office Solutions' categories like Networking, Projectors, Laser Printers, etc., and a 'Brands INTEL' section. The price is listed as 'Rs.90,800.00'.

flipkart.com/g-skill-trident-z-rgb-ddr4-32-gb-dual-channel-pc-f4-3600c16d-32gtzr/p/itm72ce514a9714c?pid=RAMFQ2YK3YCZF6Q&lid=LSTRAMFQ2YK3YCZF6QSOV1PV... Social (11,856) - yo... New Tab https://app.gramm... (10) "Timro Mutu... Tutorial 03 - YouTube

The screenshot shows the product page for the G.Skill Trident Z RGB DDR4 32 GB RAM. The main image shows two RAM sticks with RGB lighting. Key details include a price of '₹31,560 ₹42,999 26% off', 'Hurry, Only 4 left!', and 'Available offers' like 'Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card T&C' and 'EMI starting from ₹1,079/month View Plans'. The RAM has a '5 Years' warranty and a '32 GB' capacity. The 'Highlights' section lists 'Data rate: DDR4', 'Memory Configuration: Dual Channel', 'Number of Channels: Dual Channel', and 'Compatible Device: PC'. A 'Services' section is also present. On the right, there's a 'Snip saved to clipboard' message with a screenshot of the product page.

flipkart.com/seagate-barracuda-2-tb-laptop-all-one-pc-s-desktop-internal-solid-state-drive-stgs2000401/p/itmfb4j2fhcuqgh?pid=IHDFA4JX3DPYGF&lid=LSTIHDFBA4JX3DPYG

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Home > Computers > Storage > Internal Hard ... > Seagate Inter... > Seagate Barracuda 2 TB Laptop, All in One PC's, Desktop Internal Solid State Drive (STGS200040)

Be the first to Review this product 

**₹32,990** ₹60,000 45% off ⓘ  
Hurry, Only 2 left!

Available offers

- Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card [T&C](#)
- Get 1-year Mylio Create plan and 2-month membership Adobe Creative Cloud Photography plan worth Rs.4799 with this product
- EMI starting from ₹1,128/month [View Plans](#)

Warranty 5 Years

Delivery Enter Delivery Pincode [Check](#) Enter pincode  
Usually delivered in 7-8 days ⓘ  
Enter pincode for exact delivery dates/charges

[View Details](#)

Highlights

- Type: SSD
- Interface: SATA
- Form Factor: mSATA
- Capacity: 2 TB

Services

- 5 Years
- No Returns Applicable ⓘ
- Cash on Delivery available ⓘ

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pricemandu.com/products/dahua-hard-disk-6tb-11e4ed910b2bc47137a98f6a13d27d40/

cial (11,856) - yo... New Tab https://app.gramm... (10) "Timro Mutu... Tutorial 03 - YouTube

**Price**mandu Search   Sign

Home / Products / Computer Components / Storage Devices / Dahua Hard Disk-6TB



**Dahua Hard Disk-6TB**  
**NPR 25,700.00**

**Brand** Dahua

**Description**  
H.265+/H.265 dual-stream video compression Supports HDCVI/AHD/TVI/CVBS/IP video inputs Max 5 channels IP camera inputs, each channel up to 2MP; Max 20Mbps incoming bandwidth Long transmission distance over coax cable Supports 1 SATA HDD, up to 6TB

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<b>Dahua Hard Disk-6TB</b> NPR: 25,700.00 From: Aarambha Energy & Electronics
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Home / Products / Electronics Accessories / Computer Components / MASTER LIQUID PRO 240, Liquid Cooler, Dual FAN, NEW



**MASTER LIQUID PRO 240, Liquid Cooler, Dual FAN, NEW**

**NPR 22,500.00**

**Brand** Cooler Master

**Description**

Preserving parts - Liquid heated by the CPU is isolated from sensitive components using two chambers in the pump Maximizing absorption - The water block, customized and packed densely with micro-fine plates, absorbs more heat from the CPU than traditional designs Zoning in on heat - Liquid is funneled directly at the hottest part of the CPU and carried away quickly through technology normally used in high-end DIY models Recycling the cool - Heated liquid is more efficiently cooled through a completely unique radiator fin design Getting it out - Heat in the radiator fins is expelled far out of ...

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**₹14,540** ₹15,000 3% off Hurry, Only 3 left!

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- EMI starting from ₹685/month View Plans >

Warranty	Manufacturer's Warranty
Delivery	<input type="text" value="Enter Delivery Pincode"/> Check <input type="button" value="Enter pincode"/>
Usually delivered in 10-11 days Enter pincode for exact delivery dates/charges	
<a href="#">View Details</a>	
Highlights	<ul style="list-style-type: none"> <li>Type: Computer PSU</li> <li>Power Output: 700 W</li> </ul>
Services	
<input checked="" type="checkbox"/> Manufacturer's Warra <input checked="" type="checkbox"/> 10 Days Replacement <input checked="" type="checkbox"/> Cash on Delivery avail	

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## Dell Wireless Keyboard and Mouse - KM717 Combo Set

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**₹6,499** ⓘ  
Hurry, Only 5 left!

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Highlights • Pack of 1 Services • 10 Days Replacement Poli  
Seller ElectropStore 4.4★ • Cash on Delivery available  
• 10 Days Replacement Policy ⓘ

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Home > Computers > Computer Co... > Monitors > Acer Monitors > Acer 23.6 inc...

## Acer 23.6 inch Full HD LED Backlit IPS Panel Monitor (B246HQ) (HDMI, DVI)

Be the first to Review this product

**₹1,89,999** ⓘ  
Hurry, Only 3 left!

Available offers

- Bank Offer 5% Unlimited Cashback on Flipkart Axis Bank Credit Card [T&C](#)
- EMI starting from ₹6,494/month [View Plans](#)

acer Know More

Delivery Enter Delivery Pincode Check Enter pincode

Usually delivered in 10-11 days ⓘ  
Enter pincode for exact delivery dates/charges

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Highlights • Display Type: LED Backlit • Easy Payment Options  
• 59.94 cm (23.6 inch) Full HD Display • EMIs Available  
• IPS Panel | DVI • Cash  
• Response Time: 12 ms | VGA • Net Banking  
• HDMI Ports - 1 • View  
• USB Ports - 1

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