

Computer Specifications

Computer Specifications or Specs describes the hardware specifications of a computer system. It describes the capabilities, features, and components of a computer system. It means it describes the CPU speed, RAM storage, model, and other system components. The computer specs are determined and checked usually when we have decided to purchase a new computer system or laptop, or we are a gamer. If we are already aware that what specifications are good, we will always have a fruitful deal of purchasing a new computer system.

Good Computer Specifications

- **CPU:** It is the central processing unit of a computer system known as the **brain of a computer system**. A CPU is responsible for processing all operations and providing instructions to the computer. A better CPU leads to a fast processing system. There are three variety systems currently available in the market, which are **Intel i3 (remarked good)**, **Intel i5 (remarked too good)**, and **Intel i7 (remarked excellent)**. Intel i5 sure to provide good speed and under budget, but Intel i7 is a little expensive and suitable for designers or gamers for designing software and gaming. A system with Intel i3 is the cheapest among the three.
- **System Screen:** The resolution or size of a screen can also have a good impact on our selection. A **13-inch** screen of a system (either laptop or PC) is the best screen size. You can also select a high-resolution system but avoid purchasing a system whose screen size is below 13-inch.
- **RAM:** Acronym for **Random Access Memory**. It is the computer memory that is responsible for executing the programs and applications. It is present in **GigaBytes (GB)**. A system having **4GB or 8GB RAM** is preferred for good computer specs. Although **16GB and 32GB RAM** systems are also available, such huge RAM systems are required for high-end machines.
- **Storage Space:** There are two options for Storage Space. It can be

either **Hard Disk Drive (HDD)** or **Solid State Drive (SSD)**. The use of HDD has become old that includes storing data on a disk, which is a slower process. SSD is the new storage type that stores data on a memory chip, and it is a faster process. Apart from these two storage types, if you are buying a computer for surfing, emails, and other online works, it is good to go for Cloud Storage that provides huge storage space for storing files, and it is the most secure place for your data. A good laptop specs must have at least **1TB for HDD** and at least **256GB for SSD**. The size of the SSD and HDD should not be less than the specified size.

- **Graphics Card:** If you are a gamer or imager editor, you should particularly be aware of the Graphics card a system holds. It is because, for such purposes, you should have an additional Graphics card, which is known as **Advanced Graphics Card**. In case you are not addicted to games, then the provided Graphics card is enough for you.
- **Power Supply Unit:** It is also an essential part of a computer system responsible for sharing power to all components of the system. If PSU is of poor quality, provide unstable power, or overheat the device, all such issues may decline the lifetime of the system. But, if PSU is good with high-quality and branded, the system will operate the system efficiently. A good computer specs must have "**80+**" stickers, i. e. , it should waste less than 20% of the total energy output, heavyweight PSUs that include better capacitors, larger cooling fans, heatsinks, and efficient enough to provide stable power stream to all other components of the system. The Power outputs for desktop must be between **200 Watts to 1800 Watts**. Also, a PSU should be either single-rail that carries a single high-powered plus 12V rail or multi-rail that distributes power to more than one with 12V rail. One more thing to keep in mind is that the PSU of the system must have **hard-wired cables**, so there will be no additional connection requirements.

New Computer Specifications

PC Desktop Hardware Specifications

- **Motherboard:** Gigabyte B560M-DS3H Motherboard
- **Power Supply:** Scaled appropriately to support delivered system with reasonable growth potential (In Win CE685 PC case with 300 watt 80PLUS certified power supply)
- **Case:** In Win CE685 PC case with 300 watt 80PLUS certified power supply
- **CPU:** Intel Core i5-11400 Processor
- **RAM:** 8GB DDR4 2666 (PC4 21333) RAM (1 8GB DIMM)
- **NIC:** On-board 10/100/1000 Mbps based Ethernet NIC
- **HDD:** 250 GB Western Digital M. 2 NVMe SSD Part # WDS250G2B0C
- **Video:** Integrated Intel HD Graphics with DVI Digital Output Interface
- **Optical Drive:** (optional)
- **Audio:** Onboard HD audio
- **Externally powered Satellite Speakers:** (optional)
- **6 External Powered USB Ports and 2 on front of case**
- **Operating System:** Microsoft Windows 7 Home Basic(or other least expensive Microsoft Windows operating system)
- **All appropriate cables necessary**
- **HIDs:** USB Optical mouse, mouse pad, USB keyboard, all necessary cables
- **3 year parts and labor warranty on all components**
- **Monitor:** 20" Wide Screen LCD Monitor (1920x1080 native resolution) with DVI Digital Input Interface.

PC Laptop Specifications

There is currently 1 laptop model specified for new purchases

- **Intel Core i5-1135G7 Processor**
- **8GB DDR4 2666 RAM**
- **250 GB M. 2 NVMe Solid State Drive**
- **15. 6" Wide Screen Display**
- **Microsoft Windows Windows 7 Pro(or other least expensive Microsoft Windows operating system)**
- **On board 10/100/1000 Mbps Ethernet NIC**
- **On board Wireless NIC**
- **On board HD Audio**
- **2 External powered USB Ports**
- **Padded Carry Case appropriate for delivered model**

- *Appropriate American Power Conversions Notebook Surge Suppressor for delivered model*
- *All appropriate cables necessary*
- *3 year parts and labor warranty on all components*