

List of computer size categories

From Wikipedia, the free encyclopedia

This **list of computer size categories** attempts to list commonly used categories of computer by size, in descending order of size. Of course, one generation's "supercomputer" is the next generation's "mainframe", and a "PDA" does not have the same set of functions as a "laptop", but the list should have some recognition value. It also ranks some more obscure computer sizes.

Contents

- 1 Supercomputers
- 2 Mainframe computers
- 3 Minicomputers
- 4 Microcomputers
- 5 Mobile computers
- 6 Others
- 7 Distinctive marks
- 8 Categories
- 9 See also
- 10 References

Supercomputers

- Minisupercomputer

Mainframe computers

Mainframe computers are large and expensive but powerful, so they can handle hundreds and thousands of connected users at the same time.

Minicomputers

APLIX EXHIBIT 2027
SCEA v. APLIX
IPR2015-00729

- Superminicomputer
- Minicluster (SFF / ITX)^[1]
- Server
- Workstation

Microcomputers

- Tower PC
- Mid-Tower PC
- Mini-Tower PC
- Server
- Workstation
- Personal computer (PC)
 - Desktop computer—see computer form factor for some standardized sizes of desktop computers
 - Home computer

Mobile computers

- Desktop replacement computer or desknote
- Laptop computer
 - Notebook computer
 - Subnotebook computer, also known as a Kneetop computer; clamshell varieties may also be known as minilaptop or ultraportable laptop computers
- Tablet personal computer
- Slabtop computers including "word-processing keyboards" and the TRS-80 Model 100
- Handheld computers, which include the classes:
 - Ultra-mobile personal computer, or UMPC
 - Personal digital assistant or enterprise digital assistant, which include:
 - HandheldPC or Palmtop computer
 - Pocket personal computer
 - Electronic organizer
 - Pocket computer
 - Calculator, which includes the class:
 - Graphing calculator

- Programmable calculator
- Accounting / Financial Calculator
- Handheld game console
- Portable media player
- Portable data terminal
- Information appliance
 - Smartphone, a class of mobile phone
 - Feature phone
- Wearable computer
- Single board computer
- Wireless sensor network components
- Plug computer
- Microcontroller
- Smartdust
- Nanocomputer

Others

- Deskside computer - often strd. rack width but less than half of the typical rack height, esp. for mid-range servers (e.g. RS/6000 7025-F80), visualisation (e.g. Onyx Deskside) or vector processing (e.g. SX-6i).
- Cart computer
- Microsoft Sphere
- Rackmount/Framemount computer
 - Multimedia server
 - Blade server
 - Blade PC
- Small form factor personal computer (SFF, ITX, DTX.etc.)

Distinctive marks

The classes above are not rigid; there are "edge devices" in most of them. For instance, the "subnotebook" category can usually be distinguished from the "PDA" category because a subnotebook has a keyboard and a PDA has not; however, tablet PCs may be larger than subnotebooks (making it seemingly correct to classify them as

laptops) and also lack a keyboard, while devices such as the Handspring Treo 600 have something that might charitably be called a keyboard, but are still definitely in the "smartphone" category.

In the higher end of the spectrum, this informal rule might help:

- You can throw a laptop
- You can lift a workstation
- You can tilt a minicomputer
- You cannot move a mainframe

Categories

- Category:Supercomputers
- Category:Mainframe computers
- Category:Minicomputers
- Category:Desktop computers
- Category:Cart computers
- Category:Portable computers
- Category:Mobile computers
 - Category:Desktop replacement computers
 - Category:Laptops
 - Category:Notebooks
 - Category:Tablet computers
 - Category:Subnotebooks
 - Category:Handheld computers
 - Category:Pocket computers
 - Category:Personal digital assistants
 - Category:Enterprise Digital Assistants
 - Category:Handheld PCs
 - Category:Palmtops
 - Category:Calculators
 - Category:Handheld game consoles
 - Category:Pocket PCs
 - Category:Portable data terminals
 - Category:Electronic organizers
 - Category:Information appliances
 - Category:Wearable computers

- Category:Wireless sensor network
- Category:Smartdust
- Category:Nanocomputer

See also

- Classes of computers
- Computer form factor

References

1. "minicluster". Archived from the original on 2012-09-06.)

Retrieved from "https://en.wikipedia.org/w/index.php?title=List_of_computer_size_categories&oldid=681675155"

Categories: Classes of computers | Computing-related lists

- This page was last modified on 18 September 2015, at 18:58.
- Text is available under the Creative Commons Attribution-ShareAlike License; additional terms may apply. By using this site, you agree to the Terms of Use and Privacy Policy. Wikipedia® is a registered trademark of the Wikimedia Foundation, Inc., a non-profit organization.