

MWSSLS  
3/25/09

## Minimum Hardware Standards For Intel PC Platforms

### Recommended Intel PC Minimum Desktop System Standards

<b>Processor:</b>	Intel Core 2 Duo 2.6 GHz or faster (Core duo can be substituted for low-end workstations)
<b>Memory:</b>	2 GB RAM; 4 GB or more for some <a href="#">high-end</a> workstations
<b>Video RAM:</b>	256 MB or more for some <a href="#">high-end</a> workstations
<b>Graphics Board:</b>	PCI interface with VGA adapter, PCI Express 16x minimum compliant and capable of supporting at least 1280 X 1024 resolution.
<b>NIC:</b>	10/100 BASE-T, Wake-up on LAN (Ref. Brands: Intel, SMC or 3Com)
<b>Hard Disk:</b>	120 GB
<b>CD Drive:</b>	DVD-RW/CD-RW combo as standard - separate reader and DVD DL burner on some <a href="#">high-end</a> workstations
<b>Other Write-able:</b>	1.44 MB Floppy Drive; USB Flash Memory drive (also known as jump, pen, thumb or key drive) [optional, recommended for large file storage.
<b>USB:</b>	At least two (2) front panel ports required; four (4) or more ports are recommended
<b>System Form Factor:</b>	All Windows desktop and tower systems will conform to the ATX or mATX (provided it meets the other minimum specifications) form factor specification for <a href="#">system boards</a> (motherboards), cases and power supplies.
<b>Main System Board:</b>	Must conform to MWSSLS specification.
<b>Monitor:</b>	17 inch LCD display or larger conforming to MWSSLS specification. (Ref. Brand: Dell, NEC, Samsung, Sony, Viewsonic)
<b>Surge Protector:</b>	Capable of EMI/RFI filtering with at least 6 outlets, UPS recommended for some <a href="#">high-end</a> workstations

**Mouse:** Optical (USB recommended, wheel mouse recommended)  
**Extended Warranty:** Covering parts and labor for 4 years

### Notes

Please note that a notebook PC with an additional port replicator may also be considered a desktop system, with appropriate justification and provided it meets [minimum notebook specs](#). However, a full-size keyboard, mouse, monitor and surge protector meeting the specs above must still be purchased for the laptop if it is used in desktop mode.

### Current specifications as of: 3/25/09

### Recommended Intel PC Minimum Notebook System Standards

(This is for a travel laptop. Laptops used as a primary workstation should match the desktop specifications as closely as possible.)

**Processor:** Intel Core 2 Duo 1.66 GHz (Core Duo can be substituted for low end laptop)  
**Memory:** 2 GB RAM; 4 GB RAM or more for high-end laptops  
**Video RAM:** 128 MB; 256 MB for high-end laptops; AGP bus. Video must be capable of simultaneous output through external port and laptop display to facilitate presentations.  
**Video Out:** Standard SVGA port required.  
**NIC:** 10/100 BASE-T (Ref. Brands: Intel and 3Com)  
**Hard Disk:** 80 GB or larger  
**CD Drive:** DVD-R/CD-RW  
**Write-able:** 1.44 MB Floppy Drive, USB Flash Memory drive (also known as jump, pen, thumb or key drive) [optional, recommended for large file storage]  
**USB:** Minimum of two (2) ports required  
**Display:** 15" minimum at 1024 x 768  
**Modem:** 56K, V.92  
**Docking Station:** Encouraged for primary workstation use. See notes below.  
**Wireless Option:** Built-in Wireless/Wireless Card

- Battery:** Minimum of a 9 cell battery (or equivalent extended life)
- Accessories:** Laptop bag (shoulder strap, padded on all sides) [required]; second battery and charger (i.e. Igo.com Juice-multi charger) [optional]; external USB keyboard and mouse [optional]; mini USB hub [optional]
- Extended Warranty:** Covering parts and labor for 4 years

**Notes**

A port replicator (docking station), along with a full-size monitor, keyboard, and mouse should be purchased if the laptop will also be used as a primary workstation. Always purchase surge protectors (A large six-outlet strip for the primary locations and a smaller unit for travel use) for all laptop use locations as well.

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