

Lenovo H50-50 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processors						Security features - Security slot (in rear for optional Kensington® MicroSaver® cable) - Power-on password - Administrator password		
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics			
	Pentium G3250	2 / 2	3.2 GHz	3 MB	DDR3-1333	Intel HD			
	Core i3-4160	2 / 4	3.6 GHz	3 MB	DDR3-1600	HD 4400			
	Core i5-4460	4 / 4	3.2 GHz / 3.4 GHz	6 MB	DDR3-1600	HD 4600			
Core i7-4790	4 / 8	3.6 GHz / 4 GHz	8 MB	DDR3-1600	HD 4600				
Memory	16GB max, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller						Keyboard Mouse	Full-size keyboard (USB connector), Fn keys, black Lenovo Multi-function Mouse M300 (USB connector)	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm <i>Some:</i> 1TB (7200 rpm, 3.5" wide) Solid State Hybrid Drive (SSHD) with 8GB MLC NAND flash memory, SATA 6.0Gb/s								
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive								
Onboard SATA	SATA 6.0Gb/s controller (integrated in chipset), three SATA 6.0Gb/s connectors								
Media reader	Optional 7-in-1 media reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS Pro)								
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA, one HDMI, supports two independent displays; <i>Some:</i> AMD Radeon™ R5 235, 1GB DDR3 , PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI <i>Some:</i> AMD Radeon R5 235, 2GB DDR3 , PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI <i>Some:</i> AMD Radeon R7 240, 2GB DDR3 , PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI <i>Some:</i> NVIDIA® GeForce® GT 705, 1GB DDR3 , PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI <i>Some:</i> NVIDIA GeForce GT 705, 2GB DDR3 , PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI <i>Some:</i> NVIDIA GeForce GT 720, 2GB DDR3 , PCIe 3.0 x16 adapter, DirectX 11, one VGA, one HDMI <i>Some:</i> NVIDIA GeForce GTX 745, 2GB DDR3 , PCIe 3.0 x16 adapter, DirectX 11, one VGA, one HDMI <i>Some:</i> NVIDIA GeForce GTX 750 TI, 2GB GDDR5 , PCIe 3.0 x16 adapter, DirectX11, one VGA, one HDMI,one DVI-D						Power supply	<i>Some:</i> 180 watts, autosensing, universal (100V-240V) <i>Some:</i> 180 watts, autosensing, 85% PSU, EnergyStar 6.0, universal (100V-240V) <i>Some:</i> 280 watts, autosensing, universal (100V-240V) <i>Some:</i> 280 watts, autosensing, 85% PSU, EnergyStar 6.0, universal (100V-240V)	
Limited warranty						1-year, limited onsite service / service upgrades available			
Preload						Preloaded operating system <i>Some:</i> Windows® 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Preloaded applications (only some listed) - Lenovo® Rescue System - Driver and Application Installation - Lenovo Reach - Lenovo Assistant - Lenovo Solution Center - Lenovo Companion - McAfee® LiveSafe™ (30 days of virus definitions) - Adobe® Reader® - Microsoft Office preloaded; purchase a product key to activate - Cyberlink PowerDVD (DVD±RW, DVD) - Cyberlink Power2Go (DVD±RW) - Netflix - Nitro Pro			
Chipset						Intel H81 Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)								Environment
Rear ports	Two USB 3.0, two USB 2.0, ethernet (RJ-45), one VGA, one HDMI, additional VGA, DVI-D, or HDMI on optional graphic card on some models *Onboard VGA and HDMI are unavailable on discrete models								
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)								
IEEE 1394	None								
Audio support	High Definition (HD) Audio, Realtek ALC662-VD								
WLAN	<i>Some:</i> 11/b/g/n, PCIe Half Mini Card, Wi-Fi + Bluetooth combo adapter, 1x1								
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

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Lenovo H50-05 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD E1, A4, or A6 series APUs						Security features • Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password	
	APU	Cores	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics		
	E1-6010	2	1.35 GHz	1 MB	DDR3-1333	Radeon R2		
	A4-6210	4	1.8 GHz	2 MB	DDR3-1600	Radeon R3		
	A6-6310	4	1.8 GHz / 2.4 GHz	2 MB	DDR3-1866	Radeon R4	Keyboard Mouse	Full-size keyboard (USB connector), Fn keys, black Lenovo optical mouse (USB connector), black
Memory	16GB max, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller							
Disk	Some: SATA 6.0Gb/s, 3.5" wide, 7200 rpm							
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive							
Onboard SATA	SATA 6.0Gb/s controller (integrated in chipset), two SATA 6.0Gb/s connectors						Mechanical • Mini Tower (20L), black color • Dimensions (WxDxH): 6.3" x 16.1" x 14.0"; 160mm x 410mm x 355mm • Weights (net weight): 14.3 lb (6.5 kg), vary by configuration - Bay 1: 5.25", 1.6" high, access, optical (optional) - Bay 2: 3.5", 1" high, no access, standard disk - Slot 1: half-length, full-height, PCIe x16 (Version 2.0, 4x elec.) - Slot 2: half-length, full-height, PCIe x1 (Version 2.0) - Slot 3: PCIe Mini Card x1 (Version 2.0, for optional WLAN)	
Media reader	Optional 7-in-1 media reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS Pro)							
Graphics	AMD Radeon™ Graphics in processor, uses main memory, DirectX® 11, one VGA, one HDMI, supports two independent displays; Some: AMD Radeon™ R5 235, 1GB DDR3, PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI Some: AMD Radeon R5 235, 2GB DDR3, PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI Some: NVIDIA® GeForce® GT 705, 1GB DDR3, PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI Some: NVIDIA GeForce GT 705, 2GB DDR3, PCIe 2.0 x16 adapter, DirectX 11, one VGA, one HDMI Some: NVIDIA GeForce GT 720, 2GB DDR3, PCIe 2.0 x8 adapter, DirectX 11, one VGA, one HDMI							
Chipset	AMD SoC (System on Chip) platform							
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)						Power supply - Some: 65 watts power adapter, universal - Some: 90 watts power adapter, universal - Some: 120 watts power adapter, universal	
Rear ports	Two USB 3.0, two USB 2.0, ethernet (RJ-45), one VGA, one HDMI, additional VGA, DVI-D, or HDMI on optional graphic card on some models *Onboard VGA and HDMI are unavailable on discrete models							
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)							
IEEE 1394	None							
Audio support	High Definition (HD) Audio, Realtek ALC662-VD						Limited warranty 1-year, limited onsite service / service upgrades available	
WLAN	Some: 11/b/g/n, PCIe Half Mini Card, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 Some: 11ac, PCIe Half Mini Card, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter							
Bluetooth™	10/100M ethernet, Realtek RTL8105E-VD							
Ethernet	None							
Modem							Preload - Preloaded operating system - Windows® 8.1 64-bit - Preloaded applications (only some listed) • Lenovo® Rescue System • Driver and Application Installation • Lenovo Reach • Lenovo Solution Center • Lenovo Companion • McAfee® LiveSafe™ (30 days of virus definitions) • Adobe® Reader® • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Netflix	
							EnvironmentRoHS-compliant	

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