

Lenovo H50-50 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processors						Security features	<ul style="list-style-type: none"> • 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		Keyboard Mouse	Full-size keyboard (USB connector), Fn keys, black Lenovo Multi-function Mouse M300 (USB connector)
	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						Mechanical	<ul style="list-style-type: none"> • Mini Tower (20L), black color • Dimensions (WxDxH): 6.3" x 16.1" x 14.0"; 160mm x 410mm x 355mm • Weights (net weight): 15.7 lb (7.1 kg), vary by configuration • Optional system fan for additional system cooling Bay 1: 5.25", 1.6" high, access, optical (optional) Bay 2: 3.5", 1" high, no access, standard disk Bay 3: 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCIe x16 (Version 2.0, 75w max) Slot 2: half-length, full-height, PCIe x1 (Version 2.0) Slot 3: half-length, full-height, PCIe x1 (Version 2.0) Slot 4: half-length, full-height, PCIe x1 (Version 2.0) Slot 5: PCIe Mini Card x1 (Version 2.0, for optional WLAN) 	
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								
Onboard SATA Media reader	<i>Some:</i> Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive								
Graphics	SATA 6.0Gb/s controller (integrated in chipset), three SATA 6.0Gb/s connectors Optional 7-in-1 media reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS Pro)								
Power supply	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, DirectX 11, one VGA, one HDMI, one DVI-D						<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) <ul style="list-style-type: none"> • 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)								
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								
Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); RoHS-compliant								

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	<ul style="list-style-type: none"> • Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password 	
	APU	Cores	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics		Keyboard Mouse	Full-size keyboard (USB connector), Fn keys, black Lenovo optical mouse (USB connector), black
	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	Mechanical	<ul style="list-style-type: none"> • 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) 	
Memory	16GB max, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller								
Disk Optical	<i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm <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 Media reader	SATA 6.0Gb/s controller (integrated in chipset), two SATA 6.0Gb/s connectors 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; <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> 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 2.0 x8 adapter, DirectX 11, one VGA, one HDMI						Power supply	<i>Some:</i> 65 watts power adapter, universal <i>Some:</i> 90 watts power adapter, universal <i>Some:</i> 120 watts power adapter, universal	
Chipset	AMD SoC (System on Chip) platform							Limited warranty	1-year, limited onsite service / service upgrades available
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) 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							Preload	Preloaded operating system Windows® 8.1 64-bit Preloaded applications (only some listed) <ul style="list-style-type: none"> • 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
Rear audio ports IEEE 1394	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) 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 4.0 combo adapter, 1x1 <i>Some:</i> 11ac, PCIe Half Mini Card, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1								
Bluetooth™ Ethernet Modem	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter 10/100M ethernet, Realtek RTL8105E-VD None						Environment	RoHS-compliant	

See footnotes for more detailed information

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Lenovo H50-55 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A6, A8, or A10 series APUs						Security features	<ul style="list-style-type: none"> • Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password 	
	APU	Cores	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics		Keyboard Mouse	Full-size keyboard (USB connector), Fn keys, black Lenovo optical mouse (USB connector), black
	A8-7600	4	3.1 GHz / 3.8 GHz	4 MB	DDR3-2133	Radeon R7			
	A8-8650	4	3.2 GHz / 3.9 GHz	4 MB	DDR3-2133	Radeon R7			
A10-7800	4	3.5 GHz / 3.9 GHz	4 MB	DDR3-2133	Radeon R7	Mechanical	<ul style="list-style-type: none"> • 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 Bay 3: 3.5", 1" high, no access, optional disk Slot 1: half-length, full-height, PCIe x16 (Version 3.0) Slot 2: half-length, full-height, PCIe x1 (Version 2.0) Slot 3: half-length, full-height, PCIe x1 (Version 2.0) Slot 4: PCIe Mini Card x1 (Version 2.0, for optional WLAN) 		
Memory	16GB max, PC3-12800 1600MHz DDR3, two 240-pin DIMM sockets								
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm								
Optical	<i>Some:</i> 1TB (7200 rpm, 3.5" wide) Solid State Hybrid Drive (SSHD) with 8GB MLC NAND flash memory, SATA 6.0Gb/s								
Onboard SATA	<i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide						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)	
Media reader	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive								
Graphics	<i>Some:</i> Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive								
Chipset	SATA 6.0Gb/s controller (integrated in chipset), four SATA 6.0Gb/s connectors								
Media reader	Optional 7-in-1 media reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS Pro)						Limited warranty	1-year, limited onsite service / service upgrades available	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, 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> 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 2.0 x8 adapter, DirectX 11, one VGA, one HDMI						Preload	Preloaded operating system Windows® 10 Home 64-bit Preloaded applications (only some listed) <ul style="list-style-type: none"> • Lenovo® Rescue System • Driver and Application Installation • Lenovo Family Cloud • 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) 	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)						Environment	RoHS-compliant	
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								
WLAN	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1								
Bluetooth™	<i>Some:</i> 11ac, PCIe Half Mini Card, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1								
Ethernet	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Modem	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®								
	None								

See footnotes for more detailed information

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