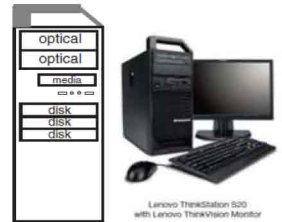


ThinkStation® S20 (4157)

Processor	Intel Xeon W3570 3.20GHz	Preloaded applications	<ul style="list-style-type: none"> Rescue and Recovery™ McAfee® VirusScan® Plus (30 days of virus definitions) Lenovo® System Toolbox Corel® WinDVD® (DVD±RW)
Memory	6GB std, 24GB max, UDIMM, PC3-8500 1066MHz DDR3, 3-channel capable, six 240-pin DIMM sockets	Security	<ul style="list-style-type: none"> Security chip Side cover lock (ships with two identical keys) Padlock loop (in rear for opt padlock; padlock prohibits side cover removal) Security slot (in rear for optional Kensington® Microsaver® cable; prohibits side cover removal) Power-on password Administrator password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control USB port disablement (front or all)
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Graphics	ATI FirePro V5700, PCIe x16 adapter, 512MB, two DisplayPort, one dual-link DVI-I, 49W
SATA disk	2.5" 150GB SATA HDD 10k rpm	Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo
Monitor Connections	ATI FirePro V5700, PCIe x16 adapter, 512MB, two DisplayPort, one dual-link DVI-I, 49W	Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo
Graphics	ATI FirePro V5700, PCIe x16 adapter, 512MB, two DisplayPort, one dual-link DVI-I, 49W	Power Supply	625 watts with 120mm bottom-mounted variable speed fan, universal, Climate Savers® Computing Bronze
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	Color	Business Black Color
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo	Dimensions	6.9"W x 19.0"D x 18.8"H (with handle) • 175mm W x 483mm D x 478mm H
Power Supply	625 watts with 120mm bottom-mounted variable speed fan, universal, Climate Savers® Computing Bronze	Weight	38.5 lb (17.5kg) max configuration
Color	Business Black Color	Case Material	Metal
Dimensions	6.9"W x 19.0"D x 18.8"H (with handle) • 175mm W x 483mm D x 478mm H	Front Bezel Material	Plastic
Weight	38.5 lb (17.5kg) max configuration	Cover removal	Toolless cover removal
Case Material	Metal	Toolless Items	Toolless disk, diskette drive, optical drive removal, toolless system board retention and toolless adapter retention
Front Bezel Material	Plastic	Chipset	Intel X58 Express Chipset, Intel I/O Controller Hub 10 RAID (ICH10R) for RAID 0, 1, 5 support, Winbond® W83627DHG-P Super I/O
Cover removal	Toolless cover removal	Bays	Bay ① 5.25", 1.6" high, external, std optical - Bay ② 5.25", 1.6" high, external, open - Bay ③ 3.5", 1" high, external, std media reader - Bay ④ 3.5", 1" high, internal, std disk - Bay ⑤ 3.5", 1" high, internal, std or opt disk - Bay ⑥ 3.5", 1" high, internal, opt disk
Toolless Items	Toolless disk, diskette drive, optical drive removal, toolless system board retention and toolless adapter retention	Slots	Slot 1: full-length, full-height, PCIe 2.0 x16 (75W* max) - Slot 2: full-length, full-height, PCIe 2.0 x4** - Slot 3: full-length, full-height, PCIe 2.0 x16 (75W* max) - Slot 4: full-length, full-height, PCIe x1 - Slot 5: full-length, full-height, 32-bit PCI 2.3
Chipset	Intel X58 Express Chipset, Intel I/O Controller Hub 10 RAID (ICH10R) for RAID 0, 1, 5 support, Winbond® W83627DHG-P Super I/O	eSata Port	One eSata port on rear
Bays	Bay ① 5.25", 1.6" high, external, std optical - Bay ② 5.25", 1.6" high, external, open - Bay ③ 3.5", 1" high, external, std media reader - Bay ④ 3.5", 1" high, internal, std disk - Bay ⑤ 3.5", 1" high, internal, std or opt disk - Bay ⑥ 3.5", 1" high, internal, opt disk	Front Ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Slots	Slot 1: full-length, full-height, PCIe 2.0 x16 (75W* max) - Slot 2: full-length, full-height, PCIe 2.0 x4** - Slot 3: full-length, full-height, PCIe 2.0 x16 (75W* max) - Slot 4: full-length, full-height, PCIe x1 - Slot 5: full-length, full-height, 32-bit PCI 2.3	Rear Ports	Eight USB 2.0, eSATA, serial (9-pin), ethernet (RJ-45), six analog audio ports, (line-in, mic-in, front-out, rear-out, center/sub-out, side-out), Optical SPDIF digital out, Optical SPDIF digital in, FireWire PCI adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear
eSata Port	One eSata port on rear	Internal Connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)
Front Ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Audio Support	High Definition (HD) Audio, Analog Devices AD1988A codec
Rear Ports	Eight USB 2.0, eSATA, serial (9-pin), ethernet (RJ-45), six analog audio ports, (line-in, mic-in, front-out, rear-out, center/sub-out, side-out), Optical SPDIF digital out, Optical SPDIF digital in, FireWire PCI adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear	Ethernet	One gigabit ethernet on planar, Broadcom® BCM5755
Internal Connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)	Cooling	3 to 5 fans (power supply, CPU, rear, opt front PCI >75W graphics), opt front [SAS])
Audio Support	High Definition (HD) Audio, Analog Devices AD1988A codec	Modem	None
Ethernet	One gigabit ethernet on planar, Broadcom® BCM5755	Security	Power-on password, hard disk password, supervisor password, security keyhole
Cooling	3 to 5 fans (power supply, CPU, rear, opt front PCI >75W graphics), opt front [SAS])	Security Chip	Broadcom Trusted Platform Module, TCG 1.2-compliant
Modem	None	Rack Mount	Rack Shelf Support
Security	Power-on password, hard disk password, supervisor password, security keyhole	Ltd Warranty	3-years Next Business Day Mon-Fri 9-5
Security Chip	Broadcom Trusted Platform Module, TCG 1.2-compliant	1GB PC3-8500 DDR3 UDIMM	51J0503 GEMs
Rack Mount	Rack Shelf Support	2GB PC3-8500 DDR3 UDIMM	51J0504 GEMs
		NVIDIA Quadro 1.5GB FX 4800	45K1674 GEMs
		USB 2.0 Lenovo Webcam	40Y8519 GEMs
		ThinkVision L2240p Wide 22" Monitor w/Soundbar	4422HB6+ 40Y7616 8500022884
		ThinkVision L2440p Wide 24" Monitor w/Soundbar	4420HB2+ 45K1263 8500022322
		Preferred Pro USB Keyboard	73P5220 651001597
		USB 2.0 Memory Key 2GB	41U5119 6500023655
		USB 2.0 Memory Key 4GB	41U5120 6500023655
		USB 2.0 Ultra Secure Memory Key 8GB	45J5918 N/A
		Kensington Twin Head Cable Lock	45K1620 N/A
		Lenovo USB Fingerprint Keyboard	73P4730 N/A
		Kensington Twin Head Cable Lock	45K1620 GEMs
		USB 2.0 Portable Secure 320GB Hard Disk	43R2019 N/A



Supports ThinkVantage Technologies

Climate Savers®-compliant
EPEAT™ Gold rating
ENERGY STAR 5.0-compliant
GREENGUARD® certified
RoHS-compliant

3 Years Onsite 24x7x4 Warranty and Maintenance Option 46D4668

4 Years Onsite 24x7x4 Warranty and Maintenance Option 46D4669

5 Years Onsite 24x7x4 Warranty and Maintenance Option 46D4670

3 Years Onsite 9x5x4 Warranty and Maintenance Option 46D4665

4 Years Onsite 9x5x4 Warranty and Maintenance Option 46D4666

5 Years Onsite 9x5x4 Warranty and Maintenance Option 46D4666

Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty

TCO Tools at www.lenovo.com/thinkvantage

Asset Recovery and Recycling

Lenovo and the Environment

Corporate Policy

Lenovo is committed to environmental leadership in all of its business activities, from its operations to the design of its products and use of its technology. Lenovo's corporate policy on environmental affairs is supported by the company's global environmental management system, which is the key element of the company's efforts to achieve results consistent with environmental leadership

The Lenovo Energy Calculator

This tool uses actual energy calculations from internal Lenovo testing, to determine the energy savings on our Lenovo desktops, notebooks and monitors. The energy savings are based on an estimated usage model for various configurations.

Lenovo Asset Recovery services

Lenovo offers customers a convenient process for removing retired assets and reducing disposal costs. Mitigate environmental & security risks and recover maximum value for your old electronic assets.

- Certified environmentally responsible and secure disposition
- Recover maximum value from replaced equipment
- Convenient single-source solution through Lenovo

Quick. Easy. Green.

End of life product take back solutions from Lenovo let you dispose of old assets and receive cash back for purchasing new PCs or for other company projects. Lenovo ensures secure and environmentally safe disposal of your obsolete electronic equipment

Complimentary assessment

Contact your Lenovo representative today and inquire about a complimentary assessment of your systems' worth. Lenovo can develop an efficient plan to help remove your old assets in a secure and environmentally conscious manner.