



Lenovo ThinkCentre M78 Small and Tower



Lenovo ThinkCentre M78 Tower with Lenovo ThinkVision Monitor





Lenovo ThinkCentre M78 Small



Lenovo ThinkCentre M78 Small with Lenovo ThinkVision Monitor





Lenovo ThinkCentre M78 Tower



Lenovo ThinkCentre M78 Tower

# ThinkCentre® M78 Small (5100) - TopSeller

	ot x ay	Processor	Memory	SATA disk <sup>8</sup> GB rpm	SATA optical	Media reader	Graphics	Chassis Intrusion switch	PS/2 port	Floor stand	ENERGY STAR 5.2		Win7 preload	Ann date (mm/dd/yy)
5100-A1U 4	х3	A8-5500B	4GBx1	1TB 7200	DVD±RW	None	Radeon HD 7560D	None	None	Stand	None	None	Pro 64	08/28/12
5100-A2U 4	x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	Radeon HD 7540D	None	None	Stand	None	None	Pro 64	08/28/12
5100-A3U 4	х3	A4-5300	4GBx1	250G 7200	DVD±RW	None	Radeon HD 7480D	None	None	Stand	None	None	Pro 64	08/28/12
5100-A4U 4	x3	A4-5300	2GBx1	250G 7200	DVD±RW	None	Radeon HD 7480D	None	None	Stand	None	None	Pro 64	08/28/12

- Small and medium business (SMB) model(s), part of the US TopSeller Program
   3-year limited warranty
   Microsoft<sup>®</sup> Office 2010 Product Key Ready (O10PKR)

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	AMD Accelerated Processor A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core technology (up to 3.6GHz), integrated AMD Radeon™ HD 7480D Graphics, integrated DDR3 memory controller (up to 1600MHz)	Genuine Windows® 7 Professional 64
	AMĎ Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz)	Ready to install applications (only some listed)  ■ Rescue and Recovery <sup>™</sup>
	AMD Accelerated Processor A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core technology (up to 3.7GHz), integrated AMD Radeon HD 7560D Graphics, integrated DDR3 memory controller (up to 1866MHz)	Password Manager     Business-in-a-Box  Protocological applications (calculated)
Implementation	Processor in Socket FM2	Preloaded applications (only some listed)  ThinkVantage® Product Recovery
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	ThinkVantage Froduct Recovery     ThinkVantage System Update
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz	ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo Solution Center
DP dongle	None	<ul> <li>Lenovo Message Center Plus</li> </ul>
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None	<ul> <li>Lenovo SimpleTap</li> <li>Norton™ Internet Security         <ul> <li>(30 days of virus definitions)</li> </ul> </li> <li>Adobe® Reader®</li> <li>Google Chrome</li> <li>Google Toolbar</li> <li>Skype™ for Windows</li> </ul>
Chipset	AMD A75 Chipset	Evernote®     RapidBoot HDD Accelerator
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)	Symantec™ VIP     Windows Live™ Essentials     Microsoft Office 2010 preloaded;
Audio	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	purchase product key to activate  • Corel® Burn.Now™ (DVD±RW)  • Corel DVD MovieFactory® (DVD±RW)
Speaker IEEE 1394 Ethernet	None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	
Modem	None	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard Mouse Floor Stand	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation	
Power supply	240 watts, autosensing, active Power Factor Correction	
Machine	Business black color; metal case  13.3" W X 15.0" D X 3.9" H  339mm W X 381mm D X 100mm H	
	<ul> <li>16.5 lb (7.5 kg) in maximum configuration</li> <li>Toolless cover flips up and tilts backward on rear hinges</li> <li>Toolless disk and optical drive removal</li> <li>Toolless adapter retention</li> </ul>	Security     Security chip (see information on left)     Security slot (in rear for attachment of optional Kensington® MicroSaver®
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk	cable)  Cable lock  Power-on password
Slot	Bay 3: 3.5", .5" high, access, opt reader Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password     Hard disk password     Boot sequence control     Boot without keyboard and mouse     Individual USB port disablement     Chassis intrusion switch on selected model(s)
		RoHS-compliant
		Supports ThinkVantage Technologies
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	For compatible accessories, -please go to O-M78 sheet; For ThinkPlus™ service upgrade options, please go to S-TC sheet

# ThinkCentre® M78 Small (4865)

Тур	e-model	Slot x bay	Processor	Memory	SATA disk r <sup>8</sup> GB rpm	SATA optical	Media reader	Graphics	Chassis Intrusion switch	PS/2 port	Floor stand	ENERGY STAR 5.2		Win7 preload	Ann date (mm/dd/yy)
486	65-A7U	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	Radeon HD 7540D	None	None	Stand	None	None	Pro 32	08/28/12
486	65-C1U	4x3	A8-5500B	4GBx1	1TB 7200	DVD±RW	None	Radeon HD 7560D	None	None	Stand	None	None	Pro 64	08/28/12
486	65-C2U	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	Radeon HD 7540D	None	None	Stand	None	None	Pro 64	08/28/12
486	65-C3U	4x3	A4-5300	4GBx1	250G 7200	DVD±RW	None	Radeon HD 7480D	None	None	Stand	None	None	Pro 64	08/28/12

- ●3-year limited warranty ●Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	AMD Accelerated Processor A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core technology (up to 3.6GHz), integrated AMD Radeon™ HD 7480D Graphics, integrated DDR3 memory controller (up to 1600MHz)  AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz)  AMD Accelerated Processor A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core technology (up to 3.7GHz), integrated AMD Radeon HD 7560D Graphics,	Some: Genuine Windows® 7 Professional 32 Some: Genuine Windows 7 Professional 64 Ready to install applications (only some listed)  ■ Rescue and Recovery™
Implementation	integrated DDR3 memory controller (up to 1866MHz)	Password Manager
Implementation Memory	Processor in Socket FM2  32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Business-in-a-Box      Dual and a publications (and a page listed)
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA) @ 60Hz; 2560x2048 (DisplayPort) @ 60Hz	<ul> <li>Preloaded applications (only some listed)</li> <li>ThinkVantage® Product Recovery</li> <li>ThinkVantage System Update</li> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> </ul>
DP dongle	None	View Management Utility
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None	Lenovo Solution Center Lenovo Message Center Plus Lenovo Simple Tap Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Google Chrome
Chipset	AMD A75 Chipset	<ul> <li>Google Toolbar</li> <li>Skype™ for Windows</li> </ul>
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)	Evernote®     RapidBoot HDD Accelerator     Symantec™ VIP
Rear audio ports Internal connector Audio Speaker IEEE 1394 Ethernet	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	Windows Live™ Essentials     Microsoft Office 2010 preloaded; purchase product key to activate     Corel® Burn.Now™ (DVD±RW)     Corel DVD MovieFactory® (DVD±RW)
Modem	None	
Security chip Keyboard Mouse Floor Stand Power supply	Trusted Platform Module (TPM 1.2-compliant)  Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, active Power Factor Correction	
Machine	Business black color; metal case  13.3" W X 15.0" D X 3.9" H  339mm W X 381mm D X 100mm H  16.5 lb (7.5 kg) in maximum configuration	Security
Bay	<ul> <li>Toolless cover flips up and tilts backward on rear hinges</li> <li>Toolless disk and optical drive removal</li> <li>Toolless adapter retention</li> <li>Bay 1: 5.25", 1.6" high, access, std optical</li> </ul>	Security chip (see information on left)     Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)     Chity leads
Slot	Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader Slot 1: Low Profile, PCI Express 2.0 x16 (40w max)	Cable lock     Power-on password     Administrator password
	Slot 2: Low Profile, PCle 2.0 x1 Slot 3: Low Profile, 32-bit PCl 2.3 Slot 4: Low Profile, 32-bit PCl 2.3  disk optical	Hard disk password     Boot sequence control     Boot without keyboard and mouse     Individual USB port disablement     Chassis intrusion switch on selected model(s)  RoHS-compliant
		Supports ThinkVantage Technologies
		For compatible accessories,
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	please go to O-M78 sheet; For ThinkPlus <sup>™</sup> service upgrade options, please go to S-TC sheet

Type-mod	Slot x lel bay	Processor	Memory	SATA disk / <sup>8</sup> GB rpm	SATA optical	Media reader	Graphics	Chassis Intrusion switch	PS/2 port	Floor stand	ENERGY STAR 5.2		Win7 preload	Ann date (mm/dd/yy)
2113-A1	U 4x3	A4-5300	2GBx1	250G 7200	DVD±RW	None	Radeon HD 7480D	None	None	Stand	ES52	None	Pro 32	08/28/12

- ●3-year limited warranty ●Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	AMD Accelerated Processor A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core technology (up to 3.6GHz), integrated AMD Radeon™ HD 7480D Graphics, integrated DDR3 memory controller (up to 1600MHz)	Genuine Windows® 7 Professional 32
Implementation	Processor in Socket FM2	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> <li>Business-in-a-Box</li> <li>Preloaded applications (only some listed)</li> </ul>
DP dongle	None	ThinkVantage® Product Recovery  ThinkVantage® Contage Undetermined
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None	<ul> <li>ThinkVantage System Update</li> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> <li>View Management Utility</li> <li>Lenovo Solution Center</li> <li>Lenovo Message Center Plus</li> <li>Lenovo SimpleTap</li> </ul>
Chipset	AMD A75 Chipset	Norton™ Internet Security     (30 days of virus definitions)
Front ports Rear ports Rear audio ports Internal connector	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device)	<ul> <li>Adobe® Reader®</li> <li>Google Chrome</li> <li>Google Toolbar</li> <li>Skype™ for Windows</li> <li>Evernote®</li> </ul>
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	<ul> <li>RapidBoot HDD Accelerator</li> <li>Symantec<sup>™</sup> VIP</li> </ul>
Speaker IEEE 1394	Internal speaker for business audio	<ul> <li>Windows Live™ Essentials</li> </ul>
Ethernet	None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®	Microsoft Office 2010 preloaded; purchase product key to activate
Modem	None	Corel® Burn.Now™ (ĎVD±RW)
Security chip	Trusted Platform Module (TPM 1.2-compliant)	Corel DVD MovieFactory® (DVD±RW)
Keyboard Mouse	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand Power supply	System floor stand for vertical orientation 240 watts, autosensing, 85% PSU	
Machine	Business black color; metal case 13.3" W X 15.0" D X 3.9" H 339mm W X 381mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear hinges Toolless disk and optical drive removal	
Pov	Toolless adapter retention Bay 1: 5.25", 1.6" high, access, std optical	Security  Security chip (see information on left)
Bay	Bay 2: 3.5", 1" high, no access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Security slot (in rear for attachment of optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	cable)  Cable lock  Power-on password  Administrator password  Hard disk password  Boot sequence control  Boot without keyboard and mouse  Individual USB port disablement
	disk optical	Chassis intrusion switch on selected model(s)  EPEAT™ Gold rating ENERGY STAR 5.2-compliant ULE Gold RoHS-compliant  Supports Think/optogs Technologies
		Supports ThinkVantage Technologies For compatible accessories.
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	please go to O-M78 sheet; For ThinkPlus™ service upgrade options, please go to S-TC sheet

# ThinkCentre® M78 Small (2114) - ES 5.2 (GMP)

Slot x Type-model bay	Processor	Memory	SATA disk / <sup>8</sup> GB rpm	SATA optical	Media reader	Graphics	Chassis Intrusion switch			ENERGY STAR 5.2			Ann date (mm/dd/yy)
2114-A1U 4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	Radeon HD 7540D	None	None	Stand	ES52	GΡ	Pro 64	08/28/12

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty
   Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz)	Genuine Windows® 7 Professional 64
Implementation	Processor in Socket FM2	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> <li>Business-in-a-Box</li> <li>Preloaded applications (only some listed)</li> </ul>
DP dongle	None	ThinkVantage® Product Recovery
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None	<ul> <li>ThinkVantage System Update</li> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> <li>View Management Utility</li> <li>Lenovo Solution Center</li> <li>Lenovo Message Center Plus</li> <li>Lenovo Simple Tap</li> </ul>
Chipset	AMD A75 Chipset	<ul> <li>Norton™ Internet Security</li> <li>(30 days of virus definitions)</li> </ul>
Front ports Rear ports Rear audio ports Internal connector Audio Speaker IEEE 1394 Ethernet Modem Security chip Keyboard Mouse Floor Stand Power supply Machine	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None Trusted Platform Module (TPM 1.2-compliant)  Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo System floor stand for vertical orientation 240 watts, autosensing, 85% PSU   Business black color; metal case 13.3" W X 15.0" D X 3.9" H 339mm W X 381mm D X 100mm H 16.5 lb (7.5 kg) in maximum configuration	O days of white definitions)  Adobe® Reader® Google Chrome Google Toolbar Skype™ for Windows Evernote® RapidBoot HDD Accelerator Symantec™ VIP Windows Live™ Essentials Microsoft Office 2010 preloaded; purchase product key to activate Corel® Burn.Now™ (DVD±RW)  Corel DVD MovieFactory® (DVD±RW)
	<ul> <li>Toolless cover flips up and tilts backward on rear hinges</li> <li>Toolless disk and optical drive removal</li> </ul>	
Вау	● Toolless adapter retention  Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Security     Security chip (see information on left)     Security slot (in rear for attachment of optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	cable)  Cable lock  Power-on password  Administrator password  Hard disk password  Boot sequence control  Boot without keyboard and mouse  Individual USB port disablement  Chassis intrusion switch on selected model(s)
	disk optical	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold RoHS-compliant
		Supports ThinkVantage Technologies
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	For compatible accessories, please go to O-M78 sheet; For ThinkPlus™ service upgrade options, please go to S-TC sheet

# ThinkCentre® M78 Tower (2111) - TopSeller

Slot x Type-model bay Processor	SATA disk 2nd Dis Memory <sup>®</sup> GB rpm Bay	k SATA Media optical reader	Chass Graphics intr swi			Win7 ilobal preload	Ann date (mm/dd/yy)
2111-A1U 4x5 A4-5300	2GBx1 250G 7200 Bay	DVD±RW None	Radeon HD 7480D None	None	None N	lone Pro 64	08/28/12
2111-A2U 4x5 A6-5400B	4GBx1 500G 7200 Bay	DVD±RW None	Radeon HD 7540D None	None	None N	None Pro 64	08/28/12
2111-A3U 4x5 A8-5500B	4GBx1 1TB 7200 Bay	DVD±RW None	Radeon HD 7560D None	None	None N	lone Pro 64	08/28/12
2111-A4U 4x5 A8-5500B	4GBx1 1TB 7200 Bay	DVD±RW None	GeForce 605 None	None	None N	None Pro 64	08/28/12

- Small and medium business (SMB) model(s), part of the US TopSeller Program
   3-year limited warranty
   Microsoft<sup>®</sup> Office 2010 Product Key Ready (O10PKR)

	• Microsoft Office 2010 Product Key Heady (O10PKH)	
Positioning	Mainstream enterprise stability and manageability	Preloaded operating system
Processor	AMD Accelerated Processor A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core technology (up to 3.6GHz), integrated AMD Radeon™ HD 7480D Graphics, integrated DDR3 memory controller (up to 1600MHz)	Genuine Windows® 7 Professional 64
	AMĎ Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics,	Ready to install applications (only some listed)
	integrated DDR3 memory controller (up to 1866MHz)  AMD Accelerated Processor A8-5500B (quad-core, 3.2GHz, 4MB L2 cache),  Turbo Core technology (up to 3.7GHz), integrated AMD Radeon HD 7560D Graphics,	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> <li>Business-in-a-Box</li> </ul>
Implementation	integrated DDR3 memory controller (up to 1866MHz) Processor in Socket FM2	Preloaded applications (only some listed)
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	ThinkVantage® Product Recovery
Graphics	Some: AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DP)@60Hz  Some: NVIDIA® GeForce® 605, PCI Express® 2.0 x16 adapter, DirectX 11, 512MB, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 30 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz	<ul> <li>ThinkVantage System Update</li> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> <li>View Management Utility</li> <li>Lenovo Solution Center</li> <li>Lenovo Message Center Plus</li> <li>Lenovo Simple Tap</li> <li>Norton™ Internet Security</li> </ul>
DP dongle	None	(30 days of virus definitions)
Disk Optical SATA controller Onboard SATA eSATA port	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None	<ul> <li>Adobe® Reader®</li> <li>Google Chrome</li> <li>Google Toolbar</li> <li>Skype™ for Windows</li> <li>Evernote®</li> <li>RapidBoot HDD Accelerator</li> </ul>
Media reader	None	<ul> <li>Symantec™ VIP</li> </ul>
Chipset	AMD A75 Chipset	<ul> <li>Windows Live™ Essentials</li> <li>Microsoft Office 2010 preloaded;</li> </ul>
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)	purchase product key to activate  • Corel® Burn.Now™ (DVD±RW)  • Corel DVD MovieFactory® (DVD±RW)
Audio Speaker IEEE 1394 Ethernet Modem	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	-
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts with variable speed fan, manual switch	
Machine	Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 27.5 lb (12.5 kg) in maximum configuration Toullos cours moved to believe advantaged as	Security Security (see information on left) One lock to secure both cover and entire system to fixed object:
Bay	• Toolless cover removal, toolless adapter retention • Toolless disk, optical drive removal Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)  Cable lock  Power-on password  Administrator password
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Hard disk password     Boot sequence control     Boot without keyboard and mouse     Individual USB port disablement     Chassis intrusion switch on selected model(s)
		RoHS-compliant
		Supports ThinkVantage Technologies For compatible accessories,
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays,	lplease go to O-M78 sheet; For ThinkPlus™ service upgrade options,
	next business day response time / service upgrades available	please go to S-TC sheet

# ThinkCentre® M78 Tower (1766)

Type-model	Slot x bay	Processor	Memory <sup>8</sup>	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	Chassis intr switch		ENERGY STAR 5.2 G	alobal	Win7 preload	Ann date (mm/dd/yy)
1766-A7U	4x5	A6-5400B	4GBx1	500G 7200	Bay	DVD±RW	None	Radeon HD 7540D	None	None	None 1	Vone	Pro 32	08/28/12
1766-B1U	4x5	A4-5300	2GBx1	250G 7200	Bay	DVD±RW	None	Radeon HD 7480D	None	None	None 1	Vone	Pro 64	08/28/12
1766-B2U	4x5	A4-5300	2GBx1	250G 7200	Bay	DVD±RW	None	Radeon HD 7480D	None	None	None 1	Vone	Prem 32	08/28/12
1766-B3U	4x5	A8-5500B	4GBx1	1TB 7200	Bay	DVD±RW	None	Radeon HD 7560D	None	None	None 1	Vone	Pro 64	08/28/12
1766-B4U	4x5	A6-5400B	4GBx1	500G 7200	Bav	DVD±RW	None	Radeon HD 7540D	None	None	None 1	None	Pro 64	08/28/12

- 3-year limited warranty Microsoft® Office 2010 Product Key Ready (O10PKR)

	Microsoft® Office 2010 Product Key Ready (O10PKR)				
Positioning	Mainstream enterprise stability and manageability	Preloaded operating system			
Processor	AMD Accelerated Processor A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core technology (up to 3.6GHz), integrated AMD Radeon™ HD 7480D Graphics, integrated DDR3 memory controller (up to 1600MHz)  AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz)  AMD Accelerated Processor A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core technology (up to 3.7GHz), integrated AMD Radeon HD 7560D Graphics, integrated DDR3 memory controller (up to 1866MHz)  Processor in Socket FM2	Some: Genuine Windows® 7 Professional 32 Some: Genuine Windows 7 Professional 64 Some: Genuine Windows 7 Home Premium 32  Ready to install applications (only some listed)  ■ Rescue and Recovery™			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Password Manager			
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz	Business-in-a-Box     Preloaded applications (only some listed)     ThinkVantage® Product Recovery     ThinkVantage System Update			
DP dongle	None	ThinkVantage Communication Utility     ThinkVantage Power Manager			
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None	View Management Utility     Lenovo Solution Center     Lenovo Message Center Plus     Lenovo Simple Iap     Norton™ Internet Security (30 days of virus definitions)			
Chipset	AMD A75 Chipset	Adobe® Reader®     Google Chrome			
Audio Speaker IEEE 1394 Ethernet Modem	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None	<ul> <li>Google Chrome</li> <li>Google Toolbar</li> <li>Skype™ for Windows</li> <li>Evernote®</li> <li>RapidBoot HDD Accelerator</li> <li>Symantec™ VIP</li> <li>Windows Live™ Essentials</li> <li>Microsoft Office 2010 preloaded; purchase product key to activate</li> <li>Corel® Burn.Now™ (DVD±RW)</li> <li>Corel DVD MovieFactory® (DVD±RW)</li> </ul>			
Security chip Keyboard Mouse	Trusted Platform Module (TPM 1.2-compliant)  Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo				
Power supply	280 watts with variable speed fan, manual switch				
Machine	Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 27.5 lb (12.5 kg) in maximum configuration Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal	Security • Security chip (see information on left)			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	One lock to secure both cover and entire system to fixed object:     -Padlock loop (in rear for opt padlock)     -Security slot (in rear for optional Kensington® MicroSaver® cable)     Cable lock			
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Cable lock Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)  RoHS-compliant			
		Supports ThinkVantage Technologies			
		For compatible accessories, please go to O-M78 sheet;			
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	For ThinkPlus™ service upgrade options, please go to S-TC sheet			

Type-mode	Slot x l bay	Processor	Memory	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics i	Chassis ntr switch	PS/2 port	ENERGY STAR 5.2	Global	Win7 preload	Ann date (mm/dd/yy)
1562-A1L	J 4x5	A4-5300	2GBx1	250G 7200	Bay	DVD±RW	None	Radeon HD 7480D	None	None	ES52	None	Pro 32	08/28/12
1562-C1L	J 4x5	A4-5300	2GBx1	250G 7200	Bay	DVD±RW	None	Radeon HD 7480D	None	None	ES52	None	Prem 3	2 08/28/12
1562-C2L	J 4x5	A4-5300	2GBx1	250G 7200	Bay	DVD±RW	None	Radeon HD 7480D	None	None	ES52	None	Pro 64	08/28/12
1562-C3L	J 4x5	A6-5400B	4GBx1	500G 7200	Bay	DVD±RW	None	Radeon HD 7540D	None	None	ES52	None	Pro 64	08/28/12
1562-C4L	J 4x5	A8-5500B	4GBx1	1TB 7200	Bay	DVD±RW	None	Radeon HD 7560D	None	None	ES52	None	Pro 64	08/28/12
1562-C5l	J 4x5	A8-5500B	4GBx1	1TB 7200	Bay	DVD±RW	None	GeForce 605	None	None	ES52	None	Pro 64	08/28/12

• 3-year limited warranty

	<ul><li>3-year limited warranty</li><li>Microsoft Office 2010 Product Key Ready (O10PKR)</li></ul>						
Positioning Processor	Mainstream enterprise stability and manageability  AMD Accelerated Processor A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core technology (up to 3.6GHz), integrated AMD Radeon™ HD 7480D Graphics, integrated DDR3 memory controller (up to 1600MHz)  AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz)  AMD Accelerated Processor A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core technology (up to 3.7GHz), integrated AMD Radeon HD 7560D Graphics, integrated DDR3 memory controller (up to 1866MHz)	Preloaded operating system  Some: Genuine Windows® 7 Professional 32  Some: Genuine Windows 7 Professional 64  Some: Genuine Windows 7 Home Premium 32  Ready to install applications (only some listed)					
Implementation	Processor in Socket FM2	Rescue and Recovery™     Rescue and Recovery™					
Memory	32GB max, <b>UDIMM</b> , <b>PC3-12800 1600MHz DDR3</b> , four 240-pin DIMM sockets	Password Manager     Business-in-a-Box					
Graphics	Some: AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DP)@60Hz Some: NVIDIA® GeForce® 605, PCI Express® 2.0 x16 adapter, DirectX 11, 512MB, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 30 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz	Preloaded applications (only some listed) ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility					
DP dongle	None	Lenovo Solution Center					
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None	Lenovo Message Center Plus     Lenovo Simple Tap     Norton™ Internet Security     (30 days of virus definitions)     Adobe® Reader®     Google Chrome     Google Toolbar					
Chipset	AMD A75 Chipset	Skype™ for Windows					
Audio Speaker	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	<ul> <li>Evernote®</li> <li>RapidBoot HDD Accelerator</li> <li>Symantec™ VIP</li> <li>Windows Live™ Essentials</li> <li>Microsoft Office 2010 preloaded; purchase product key to activate</li> <li>Corel® Burn.Now™ (DVD±RW)</li> <li>Corel DVD MovieFactory® (DVD±RW)</li> <li>InterVideo WinDVD® (DVD, DVD±RW)</li> </ul>					
IEEE 1394 Ethernet Modem Security chip	None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None Trusted Platform Module (TPM 1.2-compliant)	Three video viniby b (BVB, BVB±1W)					
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU	Security  Security (see information on left)					
Machine	Business black color; metal case  6.9" W X 17.4" D X 16.3" H  175mm W X 442mm D X 414mm H  27.5 lb (12.5 kg) in maximum configuration  Toolless cover removal, toolless adapter retention  Toolless disk, optical drive removal	One lock to secure both cover and entire system to fixed object:     -Padlock loop (in rear for opt padlock)     -Security slot (in rear for optional Kensington® MicroSaver® cable)     Cable lock					
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	Power-on password     Administrator password     Hard disk password     Boot sequence control     Boot without keyboard and mouse					
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Individual USB port disablement     Chassis intrusion switch on selected model(s)  EPEAT™ Gold rating ENERGY STAR 5.2-compliant ULE Gold RoHS-compliant					
		Supports ThinkVantage Technologies					
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	For compatible accessories, please go to O-M78 sheet; For ThinkPlus™ service upgrade options, please go to S-TC sheet					

# ThinkCentre® M78 Tower (1565) - ES 5.2 (GMP)

Type-model	Slot x bay	Processor	Memory <sup>8</sup>	SATA disk 2 GB rpm		SATA optical	Media reader	Graphics						Ann date (mm/dd/yy)
1565-A1U	4x5	A6-5400B	4GBx1	500G 7200	Bay	DVD±RW	None	Radeon HD 7540	D None	None	ES52	GP	Pro 64	08/28/12

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty
   Microsoft<sup>®</sup> Office 2010 Product Key Ready (O10PKR)

Positioning Processor  Implementation Memory Graphics  DP dongle Disk	Mainstream enterprise stability and manageability  AMD Accelerated Processor A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core technology (up to 3.8GHz), integrated AMD Radeon HD 7540D Graphics, integrated DDR3 memory controller (up to 1866MHz) Processor in Socket FM2  32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets  AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display; works along with discrete graphics to support up to four independent monitors; Maximum resolution: 1920x1200 (VGA) @ 60Hz; 2560x2048 (DisplayPort) @ 60Hz None  SATA 6.0Gb/s 7200 rpm	Preloaded operating system Genuine Windows® 7 Professional 64 Ready to install applications (only some listed)  ■ Rescue and Recovery™ ■ Password Manager ■ Business-in-a-Box Preloaded applications (only some listed) ■ ThinkVantage® Product Recovery ■ ThinkVantage System Update
Optical SATA controller Onboard SATA eSATA port Media reader Chipset	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar None None AMD A75 Chipset	<ul> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> <li>View Management Utility</li> <li>Lenovo Solution Center</li> <li>Lenovo Message Center Plus</li> <li>Lenovo Simple Tap</li> <li>Norton™ Internet Security</li> <li>(30 days of virus definitions)</li> </ul>
Front ports Rear ports Rear audio ports Internal connector Audio Speaker IEEE 1394 Ethernet Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB device) High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Realtek RTL8111E, Wake on LAN® None Trusted Platform Module (TPM 1.2-compliant)	O days of virus definitions)  Adobe® Reader® Google Chrome Google Toolbar Skype™ for Windows Evernote® RapidBoot HDD Accelerator Symantec™ VIP Windows Live™ Essentials Microsoft Office 2010 preloaded; purchase product key to activate Corel® Burn.Now™ (DVD±RW) Corel DVD MovieFactory® (DVD±RW)
Keyboard Mouse Power supply Machine	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU  • Business black color; metal case • 6.9" W X 17.4" D X 16.3" H • 175mm W X 442mm D X 414mm H • 27.5 lb (12.5 kg) in maximum configuration • Toolless cover removal, toolless adapter retention • Toolless disk, optical drive removal	-
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	Security Security (see information on left) One lock to secure both cover and entire system to fixed object:
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3  optical  optical  optical  optical	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)  Cable lock Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
	<u>(5)</u>	EPEAT™ Gold rating ENERGY STAR 5.2-compliant ULE Gold RoHS-compliant Supports ThinkVantage Technologies For compatible accessories,
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	- please go to O-M78 sheet; For ThinkPlus™ service upgrade options, please go to S-TC sheet