



Canadian Federal NMSO

Personal Systems Reference (PSREF)

<http://computer.pwgsc.gc.ca/index-eng.cfm?af=ZnVzZWFjdGlvbG91bnR5by5hY2N1ZWlslWhvbWUmbGFuZz1lbmc=>

***ThinkPad® Notebooks, ThinkCentre® Desktops, ThinkStation Workstations®,
ThinkVision® Monitors, ThinkService® Offerings, ThinkPlus® Options***

Whats New in this edition:

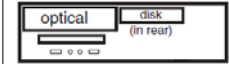





Updated M90p Offerings - now see i5-660's on the CAG Site!
Updated S20 Variants, Pricing, and offerings. Added new DOS models! And updated the LCDs.
Updated NMSO Contacts Tab with new Lenovo Sales Staff (NMSO related)
Windows 7 64/32-Bit Switches now cost \$0
Updated X201 USB Optical Information
Updated L412 Modem information
Updated MEMORY PN's to BB PN's (so they are ordered correctly)
Updated S20 information to show SAS drives as CUSTOM MODEL ONLY
Note: NEO Options are Unevaluated options.
Note: Any PN's that are 'not orderable' are likely 'special parts' that require Sales Rep intervention and handling.



ThinkCentre® M90p 5536 (SFF) - EnergyStar 5.0

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef) E60EJ-07000M/005/EJ

Category	Lenovo Part #	Language	Processor	GHz	RAM	Monitor Connectors	PS2	Integrated Graphics	HDD GB	RPM	Optical	FDD	Cores + H/T	Prim. Slot Type	Slot Height	Preload	NMSO \$	BID #
M90p SFF - 32bit	5536R96	English	Intel® Core™ i5-650	3.20	4GB PC-10600	VGA & DisplayPort (DVI Dongle included)	No	Intel® HD Graphics	320	7200	DVDRW± Burner	No	2 Cores, 4 threads	PCIe x16 (75w)	Low Profile	Windows 7 Pro 32bit	\$835	540140786A
	5536R95	French	Intel® Core™ i5-650	3.46	4GB PC-10600	VGA & DisplayPort (DVI Dongle included)	No	Intel® HD Graphics	320	7200	DVDRW± Burner	No	2 Cores, 4 threads	PCIe x16 (75w)	Low Profile	Windows 7 Pro 64bit	\$835	540140786A

Processor	Intel® Core™ i5 Processor i5-650 with dual-core, Intel 64, Hyper-Threading Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache [Processor in LGA1156 socket]	Preloaded Information: Genuine Windows® 7 Professional 32 / 64 bit • Rescue and Recovery™ • Password Manager • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Toolbox
Memory	4GB - 2x2GB standard complement, 16GB max, UDIMM, PC3-10600 1333MHz DDR3, four 240-pin DIMM sockets total PNs: 1GB - 57Y4389, 2GB - 57Y4390	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (PN: 41N5620)	
SATA disk	320GB - SATA 3.0Gb/s 7200 rpm Options of 250GB or 500GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts	
Monitor Connections	1 analog VGA DB-15, 1 DisplayPort™; supports dual independent display, 1 DisplayPort to Single-link DVI-D Dongle included in NMSO variants	
Graphics	Intel HD Graphics in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB [3GB models], 1759MB [4GB models])	Security • Security chip • Security slot • Power-on password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control • Individual USB port disablement
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	 
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo	
Power Supply	280 watts with variable speed fan, autosensing, 85% PSU	
Color	Business black color; metal case	
Dimensions	• 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H	
Weight	• 16.5 lb (7.5 kg) in maximum configuration	
Case Material	Metal Casing, Plastic Front Bezel Plating	
Floor Stand	• System floor stand for vertical orientation	
Toolless Items	• Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless system board retention	
Chipset	Intel Q57 Express Chipset Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSO® SCH5147 Super I/O	
Bays	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, open (reader)	
Slots	Slot 1: Low Profile, PCI Express 2.0 x16 (75W Max) Slot 2: Low Profile, 32 bit PCI 2.3	
eSata Port	None - custom model only	
Front Ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear Ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
Internal Connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)	
Audio Support	High Definition (HD) Audio, Realtek® ALC662 codec -- Internal speaker for business audio	
Ethernet	One gigabit ethernet port, Intel 82578DM, Wake on LAN®	
AMT	Intel Active Management Technology 6.0 (Intel AMT 6.0)	
Modem	None - optional Lenovo USB modem, PN: 43R1814	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Security Chip	STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant	
Ltd Warranty	3-years Next Business Day, International Warranty Service, Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts, 8 am - 5 pm,	
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	
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		5 Years Onsite 9x5x4 Warranty and Maintenance Option 41C9745
		5 Years Onsite 9x5x4 Warranty and Maintenance Option 41C9746
		Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty
		TCO Tools at www.lenovo.com/thinkvantage
		Asset Recovery and Recycling

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.


















Please print this only when necessary



ThinkCentre® M90p 5498 (MT) - EnergyStar 5.0

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef)

E60EJ-07000M/005/EJ

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Features	<ul style="list-style-type: none"> Handle on top front Power button on top handle Tilted front I/O for easy access Toolless cover removal Toolless disk, optical drive removal Toolless adapter retention Toolless system board retention 												<p>Lenovo and the Environment</p> <p>Corporate Policy</p> <p>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</p> <p>The Lenovo Energy Calculator</p> <p>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</p> <p>Lenovo Asset Recovery services</p> <p>Lenovo offers customers a convenient process for removing retired assets and reducing disposal costs.</p> <p>Mitigate environmental & security risks and recover maximum value for your old electronic assets.</p> <p>Certified environmentally responsible and secure disposition - Recover maximum value from replaced equipment - Convenient single-source solution through Lenovo</p> <p>Quick. Easy. Green.</p> <p>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</p> <p>Complimentary assessment</p> <p>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.</p> 																																																																																																																																																																																																																																																																																																																																																																																																	
Chipset	Intel Q57 Express Chipset Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSO® SCH5147 Super I/O																																																																																																																																																																																																																																																																																																																																																																																																													
Bays	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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk																																																																																																																																																																																																																																																																																																																																																																																																													
Slots	Slot 1: half-length, full-height, PCIe 2.0 x16 (75w 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																																																																																																																																																																																																																																																																																																																																																																																																													
eSata Port	None - custom model only																																																																																																																																																																																																																																																																																																																																																																																																													
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Ethernet	One gigabit ethernet port, Intel 82578DM, Wake on LAN®																																																																																																																																																																																																																																																																																																																																																																																																													
AMT	Intel Active Management Technology 6.0 (Intel AMT 6.0)																																																																																																																																																																																																																																																																																																																																																																																																													
Modem	None - optional Lenovo USB modem, PN: 43R1814																																																																																																																																																																																																																																																																																																																																																																																																													
Security	Power-on password, hard disk password, supervisor password, security keyhole																																																																																																																																																																																																																																																																																																																																																																																																													
Security Chip	STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant																																																																																																																																																																																																																																																																																																																																																																																																													
Ltd Warranty	3-years Next Business Day, International Warranty Service, Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts, 8 am - 5 pm,																																																																																																																																																																																																																																																																																																																																																																																																													

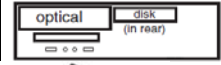

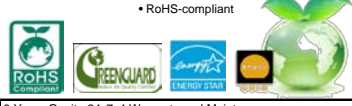




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ThinkCentre® M90p 5536 (SFF) - EnergyStar 5.0

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef)

E60EJ-0700M/005/EJ

Category	Lenovo Part #	Language	Processor	GHz	RAM	Monitor Connectors	PS2, COM2, eSATA	Integrated Graphics	HDD GB RPM	Optical	FDD	Cores + H/T	Prim. Slot Type	Slot Height	Preload	NMSO \$	BID #
1.0D - v2 M90p SFF - 32bit	5536R58 5536R57	English French	Intel® Core™ i5-660	3.33-3.60	4GB PC-10600	VGA & DisplayPort (DVI Dongle included)	Yes	Intel® HD Graphics	320 7200	DVD/±RW Burner	No	2 Cores, 4 threads	PCIe x16 (75w)	Low Profile	Windows 7 Pro 32bit	\$944	540140786A
Processor	Intel® Core™ i5 Processor i5-660 with dual-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache [Processor in LGA1156 socket]											Preloaded Information: Genuine Windows® 7 Professional 32 / 64 bit • Rescue and Recovery™ • Password Manager • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Toolbox					
Memory	4GB - 2x2GB standard complement, 16GB max, UDIMM, PC3-10600 1333MHz DDR3, four 240-pin DIMM sockets total PNs: 1GB - 57Y4389, 2GB - 57Y4390											Security • Security chip • Security slot • Power-on password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (PN: 41N5620)																
SATA disk	320GB - SATA 3.0Gb/s 7200 rpm Options of 250GB or 500GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts											 					
Monitor Connections	1 analog VGA DB-15, 1 DisplayPort™; supports dual independent display, 1 DisplayPort to Single-link DVI-D Dongle included in NMSO variants																
Graphics	Intel HD Graphics in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB [3GB models], 1759MB [4GB models])																
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo																
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo											<p>Supports ThinkVantage Technologies</p> <p>Environmental Features</p> <ul style="list-style-type: none"> • EPEAT™ Gold rating • ENERGY STAR® 5.0-compliant • GREENGUARD® certified • RoHS-compliant 					
Power Supply	280 watts with variable speed fan, autosensing, 85% PSU																
Color	Business black color, metal case																
Dimensions	• 12.5" W X 14.0" D X 3.9" H • 317mm W X 355mm D X 99mm H																
Weight	• 16.5 lb (7.5 kg) in maximum configuration																
Case Material	Metal Casing, Plastic Front Bezel Plating																
Floor Stand	• System floor stand for vertical orientation																
Toolless Items	• Toolless cover flips up and tilts backward on rear hinges • Toolless disk, optical drive removal • Toolless adapter retention • Toolless system board retention																
Chipset	Intel Q57 Express Chipset Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O																
Bays	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, open (reader)																
Slots	Slot 1: Low Profile, PCI Express 2.0 x16 (75W Max) Slot 2: Low Profile, 32 bit PCI 2.3																
eSata Port	Yes - part of Custom Config																
Front Ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																
Rear Ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), PS2 Ports, COM2 Port Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																
Internal Connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)																
Audio Support	High Definition (HD) Audio, Realtek® ALC662 codec -- Internal speaker for business audio																
Ethernet	One gigabit ethernet port, Intel 82578DM, Wake on LAN®																
AMT	Intel Active Management Technology 6.0 (Intel AMT 6.0)																
Modem	None - optional Lenovo USB modem, PN: 43R1814																
Security	Power-on password, hard disk password, supervisor password, security keyhole																
Security Chip	STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant																
Ltd Warranty	3-years Next Business Day, International Warranty Service, Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts, 8 am - 5 pm,											3 Years Onsite 24x7x4 Warranty and Maintenance Option 41C9747					
Lenovo and the Environment												4 Years Onsite 24x7x4 Warranty and Maintenance Option 41C9748					
Corporate Policy												5 Years Onsite 24x7x4 Warranty and 41C9749					
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.												3 Years Onsite 9x5x4 Warranty and 41C9744					
The Lenovo Energy Calculator												4 Years Onsite 9x5x4 Warranty and 41C9745					
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.												5 Years Onsite 9x5x4 Warranty and Maintenance Option 41C9746					
Lenovo Asset Recovery services												Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty					
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												TCO Tools at www.lenovo.com/thinkvantage					
Quick. Easy. Green.												Asset Recovery and Recycling					
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.																	
																	


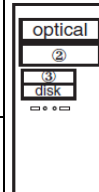



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ThinkCentre® M90p 5498 (MT) - EnergyStar 5.0

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef) E60EJ-07000M/005/EJ

E60EJ-07000M/005/EJ

Category	Lenovo Part #	Language	Processor	GHz	RAM	Monitor Connectors	PS2, COM2	Integrated Graphics	HDD GB	RPM	Optical	FDD	Cores + H/T	Prim. Slot Type	Slot Height	Preload	NMSO \$	BID #
2.0D - v2 M90p MT - 32bit	5498R93 5498R92	English French	Intel® Core™ i5-660	3.33- 3.60	4GB PC- 10600	VGA & DisplayPort (DVI Dongle included)	Yes	Intel® HD Graphics	320	7200	DVDRW± Burner	No	2 Cores, 4 threads	PCIe x16 (75w)	Full,Half- Length	Windows 7 Pro 32bit	\$938	540140786A
Processor	Intel® Core™ i5 Processor i5-660 with dual-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache [Processor in LGA1156 socket]																	
Memory	4GB - 2x2GB standard complement, 16GB max, UDIMM, PC3-10600 1333MHz DDR3, four 240-pin DIMM sockets total PNs: 1GB - 57Y4389, 2GB - 57Y4390																	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (PN: 41N5620)																	
SATA disk	320GB - SATA 3.0Gb/s 7200 rpm Options of 250GB or 500GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts																	
Monitor Connections	1 analog VGA DB-15, 1 DisplayPort™; supports dual independent display, 1 DisplayPort to Single-link DVI-D Dongle included in NMSO variants																	
Graphics	Intel HD Graphics in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB [3GB models], 1759MB [4GB models])																	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo																	
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo																	
Power Supply	280 watts with variable speed fan, autosensing, 85% PSU																	
Color	Business black color; metal case																	
Dimensions	• 6.9" W X 17.4" D X 16.3" H • 175mm W X 442mm D X 414mm H																	
Weight	• 24.2 lb (11.0 kg) in max configuration																	
Case Material	Metal Casing, Plastic Front Bezel Plating																	
Features	• Handle on top front • Power button on top handle • Tilted front I/O for easy access																	
Toolless Items	• Toolless cover removal • Toolless disk, optical drive removal • Toolless adapter retention • Toolless system board retention																	
Chipset	Intel Q57 Express Chipset Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O																	
Bays	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, open (reader/diskette) Bay ④ 3.5", 1" high, no access, std disk																	
Slots	Slot 1: half-length, full-height, PCIe 2.0 x16 (75w 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																	
eSata Port	None - custom model only																	
Front Ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																	
Rear Ports	Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																	
Internal Connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)																	
Audio Support	High Definition (HD) Audio, Realtek® ALC662 codec -- Internal speaker for business audio																	
Ethernet	One gigabit ethernet port, Intel 82578DM, Wake on LAN®																	
AMT	Intel Active Management Technology 6.0 (Intel AMT 6.0)																	
Modem	None - optional Lenovo USB modem, PN: 43R1814																	
Security	Power-on password, hard disk password, supervisor password, security keyhole																	
Security Chip	STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant																	
Ltd Warranty	3-years Next Business Day, International Warranty Service, Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts, 8 am - 5 pm,																	
Lenovo and the Environment	<p>Corporate Policy</p> <p>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.</p> <p>The Lenovo Energy Calculator</p> <p>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</p> <p>Lenovo Asset Recovery services</p> <p>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</p> <p>Quick. Easy. Green.</p> <p>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</p> <p>Complimentary assessment</p> <p>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.</p>																	
<p>Preloaded Information:</p> <ul style="list-style-type: none"> Genuine Windows® 7 Professional 32 / 64 bit Rescue and Recovery™ Password Manager ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox  <p>Security</p> <ul style="list-style-type: none"> Security chip • Security slot Power-on password • Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control   <p>Supports ThinkVantage Technologies</p> <p>Environmental Features</p> <ul style="list-style-type: none"> EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant  <p>3 Years Onsite 24x7x4 Warranty and Maintenance Option 41C9747</p> <p>4 Years Onsite 24x7x4 Warranty and Maintenance Option 41C9748</p> <p>5 Years Onsite 24x7x4 Warranty and 3 Years Onsite 9x5x4 Warranty and Maintenance Option 41C9749</p> <p>4 Years Onsite 9x5x4 Warranty and Maintenance Option 41C9745</p> <p>5 Years Onsite 9x5x4 Warranty and Maintenance Option 41C9746</p> <p>Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty</p> <p>TCO Tools at www.lenovo.com/thinkvantage</p> <p>Asset Recovery and Recycling</p> 																		

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Offeror: Lenovo (Canada) Inc.

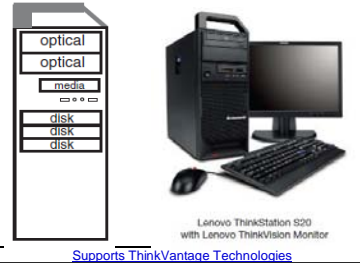
Item Description - M-Series Desktops (Cat 1.0D, 2.0D)	Manufacturer	Mtkg Part #	NMSO Authorized Price	Lenovo Contract # (to reference at DISTRIBUTION)
System Upgrades				
Warranty				
Upgrade to 4 year On-Site warranty	Lenovo	41E9583	\$35.00	651014734A
RAM				
Upgrade to 6GB RAM (add 2 x 1GB DIMMS)	Lenovo	x 2 64Y6614 CTO at Plant	\$63.68	BP Pricing
Upgrade to 8GB RAM (add 2 x 2GB DIMMS)	Lenovo	x 2 64Y6615 CTO at Plant	\$118.28	BP Pricing
Operating System				
Change to Linux		Linux	(\$25.00)	Disti Service
Change to W7 Pro 64bit		W7 Pro 64	\$0.00	Disti Service
Value Added Services				
System Installation at end user site			\$25.00	Partner Service
Image Installation per PC at factory (minimum 100 per client)	Lenovo	06P7506	\$25.00	651014734A
Image Migration & Deployment Software	Lenovo	378531Z	\$25.00	651014734A
Image Migration & Deployment Service (minimum 100 migrations per client)	Lenovo	06P7506	\$25.00	651014734A
System Components				
22 inch Wide Multi-Media Monitor	Samsung	2243WM	\$255.00	BP Pricing
22 inch Wide Multi-Media Monitor	Philips	225B2CB	\$255.00	BP Pricing
24 inch Wide Multi-Media Monitor	Samsung	B2440M	\$299.00	BP Pricing
24 inch Wide Multi-Media Monitor	Philips	240B1CB	\$350.00	BP Pricing
RAM				
1.0 GB DIMM Module - PC3-8500	Lenovo	45J5434	\$31.84	BP Pricing
2.0 GB DIMM Module - PC3-8500	Lenovo	45J5435	\$59.14	BP Pricing
1.0 GB DIMM Module - PC3-10600	Lenovo	57Y4389	\$31.84	BP Pricing
2.0 GB DIMM Module - PC3-10600	Lenovo	57Y4390	\$59.14	BP Pricing
25pk - 1GB PC3-10600 DDR3 UDIMM	Lenovo	57Y4419	\$535.99	BP Pricing
25pk - 2GB PC3-10600 DDR3 UDIMM	Lenovo	57Y4420	\$840.99	BP Pricing
25pk - 1GB PC3-8500 DDR3 UDIMM	Lenovo	57Y4421	\$535.99	BP Pricing
25pk - 2GB PC3-8500 DDR3 UDIMM	Lenovo	57Y4422	\$840.99	BP Pricing
Hard Disk Drive - Additional				
Buy a 250GB (7200 RPM) HDD	Lenovo	41N3015	\$80.00	BP Pricing
Buy a 500GB (7200 RPM) HDD	Lenovo	43R1990	\$97.00	BP Pricing
Buy a 1TB (7200 RPM) HDD	Lenovo	45J7918	\$110.00	BP Pricing
Optical Drive				
DVD-ROM DRIVEH SATA	Lenovo	41N5618	\$30.00	651014734A
MULTI-BURNER DVDRW DRIVEH	Lenovo	41N5620	\$35.00	651014734A
USB 2.0 Thumbdrive:				
USB Memory Key - 2GB	Kingston	DTI/2GB	21.00	BP Pricing
USB Memory Key - 4GB	Kingston	DTI/4GB	26.00	BP Pricing
Essential Memory Key - 8GB	Lenovo	45J7905	\$62.49	BP Pricing
Essential Memory Key - 32GB	Lenovo	45K1258	\$154.99	BP Pricing
Keyboard				
KEYBD USB (US ENG)	Lenovo	73P5220	\$16.00	651014734A
KEYBD USB(FR/CAN445)	Lenovo	73P2630	\$19.00	651014734A
KEYBD USB(FR/CAN 058)	Lenovo	73P2631	\$19.00	651014734A
Fingerprint Keyboard Pro (USB) - US ENG	Lenovo	73P4730	\$108.29	651014734A
Fingerprint Keyboard Pro (USB) - CAN FRE 445	Lenovo	73P4740	\$108.29	651014734A
Fingerprint Keyboard Pro (USB) - CAN FRE 058	Lenovo	73P4741	\$108.29	651014734A
TBITS-5 Keyboard	Solidus	KBS225T5-USB-BL	\$32.00	BP Pricing
Microsoft CF layout with English function keys	Solidus	KBS224K3USBBL	\$19.00	BP Pricing
Microsoft CF layout with French function keys	Solidus	KSB225CFUSBBL	\$19.00	BP Pricing
Wireless TBITS-5	Solidus	KBS225T5WIR-BL	\$50.00	BP Pricing
Wireless English	Solidus	KBS224ENWIRBL	\$40.00	BP Pricing
Wireless Microsoft CF layout with English function keys	Solidus	KBS224K3WIRBL	\$40.00	BP Pricing
Wireless Microsoft CF layout with French function keys	Solidus	KBS225CFWIR-BL	\$40.00	BP Pricing
Mouse				
Optical Scroll Mouse (USB or PS/2)	Lenovo	06P4069	\$11.00	651014734A
Microsoft Intellimouse	Microsoft	N50-00002	\$14.00	BP Pricing
Lenovo Wireless Mouse N30B (Black-WW)	Lenovo	55Y9360	\$35.00	BP Pricing
Wireless 4 button optical scroll mouse (USB)	Logitech LX7	931395-0215	\$35.00	BP Pricing
Multimedia				
External Stereo Speakers (USB or AC powered)	Cyber Acoustics	CA2016WB	\$11.00	BP Pricing
Headphones	Labtec	LT420REXW	\$7.00	BP Pricing



ThinkStation® S20 (4157)

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef) E60E-J-07000M005/E-J

Category	Language	Part # Dist# Contract	Slot x bay	Processor	GHz	Cores	Memory	Memory Speed	HDD GB - RPM	Disk Size	Optical	Media Reader	Graphics Adapter	1394	Preload	NMSO \$	Bid #
3.0D	English French	4157PZ7 4157PZ5	5x6	Intel® XEON™ W3680	3.33-3.60	Six Cores 12 Threads	6GB (3x2GB)	PC3-10600 DDR3 (1333MHz)	150 10k	2.5"	Multiburner	Optional	ATI® V5700 512MB	Yes	W7 Pro 64	\$2,648	540140788A
Popular custom configs																	
3.0D	English/ French	4157PZ2 / 4157PZ1	5x6	W3680	3.33- 3.60	Six Cores 12 Threads	6GB (3x2GB)	PC3-10600 DDR3 1333MHz	300 10k	2.5"	Multiburner	None PS2 Ports	V5700	Yes	W7 Pro 64	\$2,879	540140788A
3.0D	English/ French	4157PZ6 / 4157PY9	5x6	W3680	3.33- 3.60	Six Cores 12 Threads	6GB (3x2GB)	PC3-10600 DDR3 1333MHz	300 10k	2.5"	Multiburner	20-in-1 Media Reader	nVidia® FX3800 1GB	Yes	W7 Pro 64	\$3,699	540140788A
3.0D	English/ French	4157PZ3 / 4157PZ4	5x6	W3680	3.33- 3.60	Six Cores 12 Threads	6GB (3x2GB)	PC3-10600 DDR3 1333MHz	1TB 7200	2.5"	Multiburner	20-in-1 Media Reader PS2 Ports	V5700	Yes	W7 Pro 64	\$2,769	540140788A
3.0D	English/ French	4157PW6 / 4157PW3	5x6	W3680	3.33- 3.60	Six Cores 12 Threads	12GB (6x2GB)	PC3-10600 DDR3 1333MHz	150 10k	2.5"	Multiburner	20-in-1 Media Reader	V5700	Yes	W7 Pro 64	\$2,915	540140788A
3.0D	English/ French	4157PW2 / 4157PW7	5x6	W3680	3.33- 3.60	Six Cores 12 Threads	12GB (6x2GB)	PC3-10600 DDR3 1333MHz	300 10k	2.5"	Multiburner	20-in-1 Media Reader	V5700	Yes	W7 Pro 64	\$3,139	540140788A
3.0D	English/ French	4157PW4 / 4157PW8	5x6	W3680	3.33- 3.60	Six Cores 12 Threads	12GB (6x2GB)	PC3-10600 DDR3 1333MHz	1TB 7200	2.5"	Multiburner	20-in-1 Media Reader PS2 Ports	V5700	Yes	W7 Pro 64	\$3,039	540140788A
3.0D	English/ French	4157PW5 / 4157PW1	5x6	W3680	3.33- 3.60	Six Cores 12 Threads	12GB (6x2GB)	PC3-10600 DDR3 1333MHz	300 10k	2.5"	Multiburner	20-in-1 Media Reader	nVidia® FX3800 1GB	Yes	W7 Pro 64	\$3,959	540140788A
3.0D	English/ French	4157PV8 / 4157PV7	5x6	W3680	3.33- 3.60	Six Cores 12 Threads	12GB (6x2GB)	PC3-10600 DDR3 1333MHz	1TB 7200	2.5"	Multiburner	20-in-1 Media Reader	nVidia® FX3800 1GB	Yes	W7 Pro 64	\$3,759	540140788A
3.0D Special Variants	DOS OS No Language! No Keyboard!	4157PR1 4157PR2 4157PR3 4157PR4 4157PR5	(+ 73P5220) 5x6	Intel XEON W3680	3.33- 3.60	Six Cores 12 Threads	12GB 12GB 12GB 12GB	PC3-10600 DDR3 at 1333MHz	1TB 1TB 300 150 300	7200 7200 10K 10K 10K	3.5" 3.5" 2.5" 2.5" 2.5"	MediaCard + PS2 Media Reader Media Reader No Reader Media Reader	V5700 FX3800 V5700 V5700 FX3800	Yes	DOS (for Linux)	\$2,979 \$3,695 \$3,079 \$2,590 \$3,895	540142021A No keyboard. Must order - see Options.
Processor	Intel Xeon W3680 with six-core, 6.4GT/s QPI, Intel 64, Hyper-Threading, Virtualization, and 12MB cache																
Memory	6GB std, 24GB max, UDIMM, PC3-8500 1066MHz DDR3, 3-channel capable, six 240-pin DIMM sockets																
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive																
SATA disk	150GB, SATA 3.0Gb/s, 10000 rpm, 2.5" Serial ATA, SATA 3.0Gb/s, integrated in ICH10R, three SATA connectors for disks, two SATA connectors for opticals																
Graphics	ATI™ FirePro™ V5700, PCIe x16 adapter, 512MB, two DisplayPort, one dual-link DVI-I****, 49W **** Only two display connectors are active at a time																
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo (Tbts available via special order)																
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo																
Power Supply	625 watts with 120mm bottom-mounted variable speed fan, universal, Climate Savers® Computing Bronze, 80 PLUS® Bronze qualified																
Color	Business Black Color (Raven)																
Dimensions	6.9"W x 19.0"D x 18.8"H (with handle) • 175mm W x 483mm D x 478mm H																
Weight	38.5 lb (17.5kg) max confi guration																
Case Material	Metal																
Front Bezel	Plastic																
Cover removal	Toolless cover removal																
Toolless Items	Toolless disk, diskette drive, optical drive removal, toolless system board retention and toolless adapter retention																
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																
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																
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																
eSata Port	One eSata port on rear																
Front Ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																
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																
Internal	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)																
Audio Support	High Definition (HD) Audio, Analog Devices AD1988A codec																
Ethernet	One gigabit ethernet on planar, Broadcom® BCM5755																
Cooling	3 to 5 fans (power supply, CPU, rear, opt front PCI >75W graphics), opt front [SAS])																
Modem	None																
Security	Power-on password, hard disk password, supervisor password, security keyhole																
Security Chip	Broadcom Trusted Platform Module, TCG 1.2-compliant																
Rack Mount	Rack Shelf Support																
Ltd Warranty	3-years Next Business Day Mon-Fri 9-5																
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.																
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.																



- S20 Tower**
- Raven black color; metal case
 - 6.9"W x 19.0"D x 18.8"H (with handle)
 - 175mm W x 483mm D x 478mm H
 - 38.5 lb (17.5kg) max confi guration
 - 31-liter
 - Removable handle on top front
 - Toolless side cover removal
 - Toolless disk and optical drive removal
 - Toolless adapter retention
 - Illuminated front icons
 - Rack shelf support






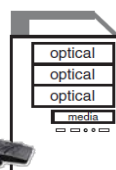
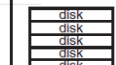
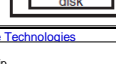

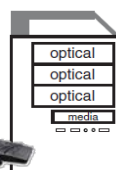
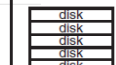
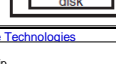




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ThinkStation® D20 (4158)

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef)

E60EJ-0700M/005/EJ

Category	Language	Type-Model	Slot x bay	Processor	GHz	Cores	RAM (Amount)	RAM (Speed)	HDD GB RPM	Disk Size	Optical	Media Reader	GFX Card	FW 1394	Preload	NMSO \$	Bid #
4.0D	English / French	4158CW5 / 4158CW6	6x9	Dual Intel® Xeon™ X5670's	2.93GHz	6 Cores (12 Threads)	6GB (6x1GB DIMMs)	PC3-10600 DDR3 1333MHz	150 10k	2.5"	Multiburner	20-in-1 Media Card Reader	ATI® V5700 512MB	Yes PCI	W7 Pro 64	\$5,586	540140789A
4.0D - Var 2	English / French	4158R74 / 4158R73	6x9	Dual Intel® Xeon™ X5670's	2.93GHz	6 Cores (12 Threads)	12GB (6x2GB DIMMs)	PC3-10600 DDR3 1333MHz	300 10k	2.5"	Multiburner	20-in-1 Media Card Reader	nVidia® FX3800 1GB	Yes PCI	W7 Pro 64	\$6,679	540140789A
Processor	TWO (2) Intel Xeon X5670 [six-cores], 6.4GT/s QPI, Intel 64, Hyper-Threading, Virtualization, Turbo Boost, 1333MHz DDR3 mem controller, 12MB cache												Preloaded operating system20 - Genuine Windows® 7 Professional 64				
Memory	6GB std (6x1GB Modules) , 48GB max, PC3-10600 1333MHz DDR3, 6-channel capable (3-channel per processor), twelve 240-pin DIMM sockets												Preloaded applications				
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive (41N5620)												<ul style="list-style-type: none"> • Rescue and Recovery™ • ThinkVantage System Update • Norton Internet Security™ (30 days of virus definitions) • Microsoft Office 2010 preloaded; purchase product key to activate • Roxio® Creator® Business Edition (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) 				
SATA disk	2.5" 150GB SATA HDD 10k rpm 3 SATA connectors for opticals, SATA 3.0Gb/s, integrated in ICH10; 5 SATA/SAS4 connectors for disks, SATA 3.0Gb/s, SAS 3.0Gb/s, RAID0 0, 1, 5, 10, integrated in Marvell® 88SE6480																
Graphics	ATI™ FirePro™ V5700, PCIe x16 adapter, 512MB, two DisplayPort, one dual-link DVI-I****, 49W **** Only two display connectors are active at a time																
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo												   				
Mouse	Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo																
Power Supply	1060 watts with 120mm bottom-mounted variable speed fan, universal, Climate Savers® Computing Bronze, 80 PLUS® Bronze qualified																
Color	Raven Black Color																
Dimensions	8.3"W x 23.7"D x 19.1"H (with handle), 210mm W x 602mm D x 485mm H												   				
Weight	60 lb (27.1kg) max configuration																
Case Material	Metal																
Front Bezel Material	Plastic																
Cover removal	Toolless cover removal												<p>Supports ThinkVantage Technologies</p> <p>Security</p> <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) <ul style="list-style-type: none"> • Power-on password • Administrator password • Boot sequence control • Boot without keyboard, mouse, diskette • Serial port I/O control* USB port disablement (front or all) 				
Toolless items	Toolless disk, diskette drive, optical drive removal, toolless system board retention and toolless adapter retention																
Chipset	Intel 5520 Chipset, Intel ICH10, Winbond® W83627DHG-P Super I/O																
Bays	Bay ① 5.25", 1.6" high, external, std optical Bay ② 5.25", 1.6" high, external, open Bay ③ 5.25", 1.6" high, external, open Bay ④ 3.5", 1" high, external, std media reader Bay ⑤ 3.5", 1" high, internal, std disk Bay ⑥ 3.5", 1" high, internal, std or opt disk Bay ⑦ 3.5", 1" high, internal, std or opt disk Bay ⑧ 3.5", 1" high, internal, opt disk Bay ⑨ 3.5", 1" high, internal, opt disk																
Slots	Slot 1: half-length, full-height, PCIe x1 Slot 2: full-length, full-height, PCIe 2.0 x16 (75W max) Slot 3: full-length, full-height, 32-bit PCI 2.3 Slot 4: full-length, full-height, PCIe 2.0 x16 (75W max) Slot 5: full-length, full-height, PCIe x4 (16 mechanical) Slot 6: full-length, full-height, 32-bit PCI 2.3												<p>Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty</p> <p>TCO Tools at www.lenovo.com/thinkvantage</p> <p>Asset Recovery and Recycling</p>				
eSata Port	One eSata port on rear																
Front Ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm), FireWire 400 (IEEE 1394a)																
Rear Ports	Eight USB 2.0, eSATA, serial (9-pin), two ethernet (RJ-45), FireWire 400 (IEEE 1394a), 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																
Audio Support	High Definition (HD) Audio, Analog Devices ADI 1988A codec												 				
Ethernet	Dual gigabit ethernet on planar, Broadcom® BCM5755 and BCM5754																
Cooling	Five fans (power supply, first processor, second processor, rear, front disk)																
Modem	None																
FireWire	FireWire PCI adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear												 				
Security Chip	Winbond WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant																
Rack Mount	Rack shelf support or optional sliding rack mount rail kit support																
Ltd Warranty	3-years Next Business Day Mon-Fri 9-5																
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.												<p>Asset Recovery and Recycling</p>				
	<ul style="list-style-type: none"> • 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.																
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.																	

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Offeror: Lenovo (Canada) Inc.

Item Description - S20/D20-Series Workstations (Cat 3.0D, 3.0A, 4.0D)	Manufacturer / Info	Mtkg Part #	NMSO Authorized Price	Lenovo Contract # (to reference at DISTRIBUTION)
System Upgrades				
Warranty				
Upgrade to Four year On-Site Warranty	Lenovo	46D4663	\$70.00	651014735A
RAM				
S20: Upgrade to 8GB DDR3 (Add a 1x2GB Module)	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	1 x 46R5993 CTO at Plant / Dist	\$85.00	Please inquire with Lenovo NMSO Sales Team
S20: Upgrade to 12GB DDR3 (Add 3x2GB Modules)	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	3 x 46R5993 CTO at Plant / Dist	\$255.00	Please inquire with Lenovo NMSO Sales Team
S20: Upgrade to 24GB DDR3 (Add 6x4GB Modules)	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	6 x 64Y9569 CTO at Plant / Dist	\$2,100.00	Please inquire with Lenovo NMSO Sales Team
D20: Upgrade to 12GB DDR3 (Add 3x2GB Modules)	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	3 x 46R5993 CTO at Plant / Dist	\$255.00	Please inquire with Lenovo NMSO Sales Team
D20: Upgrade to 18GB DDR3 (Add 6x2GB Modules)	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	6 x 46R5993 CTO at Plant / Dist	\$510.00	Please inquire with Lenovo NMSO Sales Team
D20: Upgrade to 24GB DDR3 (Add 12x2GB Modules)	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	12 x 46R5993 CTO at Plant / Dist	\$1,020.00	Please inquire with Lenovo NMSO Sales Team
D20: Upgrade to 48GB DDR3 (Add 12x4GB Modules)	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	12 x 64Y9569 CTO at Plant / Dist	\$4,200.00	Please inquire with Lenovo NMSO Sales Team
Default Hard Disk Drive				
Upgrade to 2 x 150GB SATA (10,000 RPM) HDD's	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	2 x 46R5496 CTO at Plant / Dist	\$223.00	Please inquire with Lenovo NMSO Sales Team
Upgrade to 300GB SATA (10,000 RPM) HDD	Lenovo - upgrade from BASE S20 (ena/fre)	4157PZ2 /4157PZ1	Add \$231	Bid # 540140788A
Video GFX Card				
Upgrade to High-end Professional workstation-class graphics card (as per Annex A) - 1GB NVIDIA FX3800	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	46R2789 CTO at Plant / Dist	\$850.00	Please inquire with Lenovo NMSO Sales Team
Optical Drive				
Upgrade to 6x Blu-ray™ Burner SATA (1.5Gb/s)	Lenovo - Note: must be upgraded at Distribution - PN is in lists below	71Y3861 CTO at Plant / Dist	\$274.00	Please inquire with Lenovo NMSO Sales Team
Operating System				
Change to Linux	Linux	Linux	(\$25.00)	Custom config
Change to Windows 7 Pro 64 bit	Microsoft / Lenovo	OEM W7 Pro 64 bit	\$0.00	Custom config
Value Added Service				
System Installation at end user site			\$25.00	Partner Service
Image Installation per PC at factory (minimum 100 per client)	Lenovo	06P7506	\$25.00	
Image Migration & Deployment Software	Lenovo	378531Z	\$25.00	651014734A
Image Migration & Deployment Service (minimum 100 migrations per client)	Lenovo	06P7506	\$25.00	
SYSTEM COMPONENTS				
Monitor				
22 inch Wide Multi-Media Monitor	Samsung	2243WM	\$255.00	BP Pricing
22 inch Wide Multi-Media Monitor	Philips	225B2CB	\$255.00	BP Pricing
24 inch Wide Multi-Media Monitor	Samsung	B2440M	\$299.00	BP Pricing
24 inch Wide Multi-Media Monitor	Philips	240B1CB	\$350.00	BP Pricing
24 inch Wide Multi-Media monitor BUNDLE with ThinkVision Soundbar (speakers)	Lenovo L2440P + ThinkVision Soundbar	4420H82 45K1263	\$430.00 \$30.00	651014734A
RAM				
2.0 GB DDR3 1333 ECC RAM DIMM for Intel	Lenovo	43R2033	\$85.00	651014735A
4.0 GB DDR3 1333 ECC RAM DIMM for Intel	Lenovo	57Y4138	\$350.00	651014735A
Card Reader				
Lenovo 20-1 Media Card Reader	Lenovo - Note: must choose a variant with CardReader, or a new Custom Model	53Y4666 CTO at Plant / Dist	\$25.00	Custom config
Video				
Mid-range workstation-class graphics card (as per Annex A)	ATI FirePro V5700 512MB	51J0510	\$433.00	BP Pricing
Mid/High-range workstation-class graphics card (as per Annex A)	Lenovo - 768MB NVIDIA FX1800	45K1672	\$525.00	BP Pricing
High-end professional workstation graphics card (as per Annex A)	Lenovo - 1GB NVIDIA FX3800	45K1673	\$850.00	BP Pricing
Ultra-High-end professional workstation graphics card (as per Annex A)	Lenovo - 1.5GB NVIDIA FX4800	45K1674	\$1,550.00	BP Pricing
Hard Disk Drive				
150 GB SATA 300 MB/s and 16MB cache (10,000 RPM)	Lenovo	43R2030	\$223.00	651014735A
300 GB SATA 300MB/s and 16MB cache (10,000 RPM)	Lenovo	43R2031	\$369.00	651014735A
500GB SATA-II (7,200 RPM)	Lenovo	43R1990	\$97.00	BP Pricing
1.0 TB SATA-II (7,200 RPM) For D20's only	Lenovo	45J7918	\$125.00	BP Pricing
300GB 15K rpm SAS Hard Drive SAS RAID Controller required for S20's ONLY (RAID Card Upgrade)	Lenovo - CTO Req'd for S20's ONLY (RAID Card Upgrade)	43R1994	\$399.00	S20 - Custom config D20 - 651014735A
450GB 15K rpm SAS Hard Drive SAS RAID Controller required for S20's ONLY (RAID Card Upgrade)	Lenovo - CTO Req'd for S20's ONLY (RAID Card Upgrade)	43N3424	\$599.00	S20 - Custom config D20 - 651014735A
Discrete RAID controller				
SAS/SATA RAID controller (RAID 0, 1)	Lenovo - CTO Req'd for S20's ONLY (RAID Card Upgrade)	46R5000 CTO at Plant / Dist	\$300.00	Custom config
Optical Drive				
DVD-ROM DRIVEH SATA	Lenovo	41N5618	\$30.00	
MULTI-BURNER DVD/CD DRIVEH	Lenovo	41N5620	\$35.00	651014734A
6x Blu-ray™ Burner SATA (1.5Gb/s)	Lenovo	45K1675	\$274.00	651014735A
USB Thumbdrive				
USB Memory Key - 2GB	Kingston	DTU2GB	21.00	BP Pricing
USB Memory Key - 4GB	Kingston	DTU4GB	26.00	BP Pricing
Essential Memory Key - 8GB	Lenovo	45J7905	62.49	BP Pricing
Essential Memory Key - 32GB	Lenovo	45K1258	154.99	BP Pricing
Keyboard				
KEYBD USB (US ENG)	Lenovo	73P2620	\$16.00	
KEYBD USB(FR/CAN445)	Lenovo	73P2630	\$19.00	
KEYBD USB(FR/CAN 58)	Lenovo	73P2631	\$19.00	
Fingerprint Keyboard Pro (USB) - US ENG	Lenovo	73P4730	\$108.29	651014734A
Fingerprint Keyboard Pro (USB) - CAN FRE 445	Lenovo	73P4740	\$108.29	
Fingerprint Keyboard Pro (USB) - CAN FRE 058	Lenovo	73P4741	\$108.29	
Lenovo Wireless Keyboard N5901(WW-b)	Lenovo	57Y6336	\$40.00	
TBITS-5 Keyboard				
Microsoft CF layout with English function keys	Solidus	KBS225T5-USB-BL	\$32.00	BP Pricing
Microsoft CF layout with French function keys	Solidus	KBS224K3USBBL	\$19.00	BP Pricing
Wireless TBITS-5	Solidus	KBS225CFUSBBL	\$19.00	BP Pricing
Wireless English	Solidus	KBS225T5WIR-BL	\$50.00	BP Pricing
Wireless Microsoft CF layout with English function keys	Solidus	KBS224ENWIRBL	\$40.00	BP Pricing
Wireless Microsoft CF layout with French function keys	Solidus	KBS224K3WIRBL	\$40.00	BP Pricing
Wireless Microsoft CF layout with French function keys	Solidus	KBS225CFWIR-BL	\$40.00	BP Pricing
Mouse				
Optical Scroll Mouse (USB or PS/2)	Lenovo	06P4069	\$11.00	651014734A
Microsoft Intellimouse	Microsoft	N50-00002	\$14.00	BP Pricing
Lenovo Wireless Mouse N30B (Black-WW)	Lenovo	55Y9360	\$35.00	BP Pricing
Wireless 4 button optical scroll mouse (USB)	Logitech LX7	931395-0215	\$35.00	BP Pricing
Multimedia				
External Amplified Stereo Speakers (USB or AC powered)	Cyber Acoustics	CA2016WB	\$11.00	BP Pricing
Headphones	Labtec	LT420REXIV	\$7.00	BP Pricing



Desktops

For Cat 1.0D - M90P SFF	Item Description	Price (ea)	For Cat 2.0D - M90P MT	Item Description	Price (ea)
Unevaluated Option 1	NVIDIA GeForce 310 512MB (DP&VGA) - 57Y4397	\$ 102.49	Unevaluated Option 1	NVIDIA GeForce 310 512MB (DP&VGA) - 57Y4397	\$ 102.49
Unevaluated Option 2	NVIDIA Quadro FX 380 Low-Profile (DP&DVI) - 57Y4396	\$ 197.49	Unevaluated Option 2	512MB NVIDIA Quadro NVS450 (Quad) - 57Y4398	\$ 459.99
Unevaluated Option 3	USB-to-DVI Monitor Adapter - 45K5296	\$ 149.99	Unevaluated Option 3	USB-to-DVI Monitor Adapter - 45K5296	\$ 149.99
Unevaluated Option 4	ADD2 DVI-D (HDCP) - 43R1985	\$ 30.94	Unevaluated Option 4	ADD2 DVI-D (HDCP) - 43R1985	\$ 30.94
Unevaluated Option 5	DisplayPort to Single-Link DVI-D Cable - 45J7915	\$ 20.00	Unevaluated Option 5	DisplayPort to Single-Link DVI-D Cable - 45J7915	\$ 20.00
Unevaluated Option 6	25 pack - 1GB PC3-10600 DDR3 UDIMM - 57Y4419	\$ 796.00	Unevaluated Option 6	25 pack - 1GB PC3-10600 DDR3 UDIMM - 57Y4419	\$ 796.00
Unevaluated Option 7	25 pack - 2GB PC3-10600 DDR3 UDIMM - 57Y4420	\$ 1,478.50	Unevaluated Option 7	25 pack - 2GB PC3-10600 DDR3 UDIMM - 57Y4420	\$ 1,478.50
Unevaluated Option 8	Lenovo USB Secure HD - 320GB - 43R2019	\$ 154.99	Unevaluated Option 8	Lenovo USB Secure HD - 320GB - 43R2019	\$ 154.99
Unevaluated Option 9	Lenovo Security Cable Lock - 57Y4303	\$ 24.99	Unevaluated Option 9	Lenovo Security Cable Lock - 57Y4303	\$ 24.99
Unevaluated Option 10	Upgrade to 4 year On-Site warranty - 41E9583	\$ 35.00	Unevaluated Option 10	Upgrade to 4 year On-Site warranty - 41E9583	\$ 35.00
Unevaluated Option 11	Upgrade to 5 year On-Site warranty - 41E9584	\$ 204.00	Unevaluated Option 11	Upgrade to 5 year On-Site warranty - 41E9584	\$ 204.00
Unevaluated Option 12	3YR Onsite 9x5 NBD + 3YR HDDR - 12X6383	\$ 24.00	Unevaluated Option 12	3YR Onsite 9x5 NBD + 3YR HDDR - 12X6383	\$ 24.00
Unevaluated Option 13	4YR Onsite 9x5 NBD + 4YR HDDR - 12X6384	\$ 124.00	Unevaluated Option 13	4YR Onsite 9x5 NBD + 4YR HDDR - 12X6384	\$ 124.00
Unevaluated Option 14	3YR Priority Enterprise + Onsite NBD - 45K4938	\$ 47.49	Unevaluated Option 14	3YR Priority Enterprise + Onsite NBD - 45K4938	\$ 47.49
Unevaluated Option 15	4YR Priority Enterprise + Onsite NBD - 45K4939	\$ 147.49	Unevaluated Option 15	4YR Priority Enterprise + Onsite NBD - 45K4939	\$ 147.49
Unevaluated Option 16	3 PORT FIREWIRE PCI ADAPTER - LI00071-21415	\$ 49.00	Unevaluated Option 16	3 PORT FIREWIRE PCI ADAPTER - LI00071-21415	\$ 49.00
Unevaluated Option 17	CARDREADER USBsmartCrdRdr - 41N3040	\$ 44.00	Unevaluated Option 17	CARDREADER USBsmartCrdRdr - 41N3040	\$ 44.00
Unevaluated Option 18	SafeGuard Enterprise Data Security Bundle - 78Y5042	\$ 52.00	Unevaluated Option 18	SafeGuard Enterprise Data Security Bundle - 78Y5042	\$ 52.00

Workstations


For Cat 3.0D S20	Item Description	Price (ea)	For Cat 4.0D - D20	Item Description	Price (ea)
Unevaluated Option 1	Lenovo Security Cable Lock - 57Y4303	\$ 24.99	Unevaluated Option 1	Lenovo Security Cable Lock - 57Y4303	\$ 24.99
Unevaluated Option 2	4YR OS 9X5XNBD FROM 3YR OS TS - 46D4663	\$ 149.00	Unevaluated Option 2	4YR OS 9X5XNBD FROM 3YR OS TS - 46D4663	\$ 149.00
Unevaluated Option 3	5YR OS 9X5XNBD FROM 3YR OS TS - 46D4664	\$ 299.00	Unevaluated Option 3	5YR OS 9X5XNBD FROM 3YR OS TS - 46D4664	\$ 299.00
Unevaluated Option 4	3YR Onsite 9x5 NBD + 3YR HDDR - 46D4671	\$ 24.00	Unevaluated Option 4	3YR Onsite 9x5 NBD + 3YR HDDR - 46D4671	\$ 24.00
Unevaluated Option 5	4YR Onsite 9x5 NBD + 4YR HDDR - 46D4672	\$ 184.00	Unevaluated Option 5	4YR Onsite 9x5 NBD + 4YR HDDR - 46D4672	\$ 184.00
Unevaluated Option 6	3 year WS Priority Enterprise - 3yr Onsite NBD - 45K4931	72.49	Unevaluated Option 6	3 year WS Priority Enterprise - 3yr Onsite NBD - 45K4931	72.49
Unevaluated Option 7	Lenovo USB Secure HD - 320GB - 43R2019	\$ 154.99	Unevaluated Option 7	Lenovo USB Secure HD - 320GB - 43R2019	\$ 154.99
Unevaluated Option 8	Lenovo eSATA/USB 500GB Secure HD - 57Y4400	\$ 184.99	Unevaluated Option 8	Lenovo eSATA/USB 500GB Secure HD - 57Y4400	\$ 184.99
Unevaluated Option 9	NVIDIA Quadro FX 4800 GFX Card - 45K1674	\$ 1,450.00	Unevaluated Option 9	NVIDIA Quadro FX 4800 GFX Card - 45K1674	\$ 1,450.00
Unevaluated Option 10	NVIDIA Quadro FX 580 GFX Card - 45K1671	\$ 167.49	Unevaluated Option 10	NVIDIA Quadro FX 580 GFX Card - 45K1671	\$ 167.49
Unevaluated Option 11	NVIDIA SLI Connector - 55Y8963	\$ 102.49	Unevaluated Option 11	NVIDIA SLI Connector - 55Y8963	\$ 102.49
Unevaluated Option 12	USB Gemplus GenPC Smart Card Reader - 41N3040	\$ 44.00	Unevaluated Option 12	USB Gemplus GenPC Smart Card Reader - 41N3040	\$ 44.00
Unevaluated Option 13	Lenovo Laser Mouse - 41U3074	\$ 44.00	Unevaluated Option 13	Lenovo Laser Mouse - 41U3074	\$ 44.00
Unevaluated Option 14	ThinkStation D-Series Rail Kit - 43R1964	\$ 99.00	Unevaluated Option 14	ThinkStation D-Series Rail Kit - 43R1964	\$ 99.00
Unevaluated Option 15	Lenovo USB Webcam - 40Y8519	\$ 44.99	Unevaluated Option 15	Lenovo USB Webcam - 40Y8519	\$ 44.99
Unevaluated Option 16	Lenovo USB Multimedia Headset - 40Y8518	\$ 34.99	Unevaluated Option 16	Lenovo USB Multimedia Headset - 40Y8518	\$ 34.99
Unevaluated Option 17	SafeGuard Enterprise Data Security Bundle - 78Y5042	\$ 52.00	Unevaluated Option 17	SafeGuard Enterprise Data Security Bundle - 78Y5042	\$ 52.00



ThinkPad® T410 / L412 - (Integrated Graphics)

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef)

E60EJ-0700M/005/EJ

Disk																			
Category	Language	Part No. - Dist Contract	CPU / Processor	GHz (speed)	Memory (RAM)	Wide Screen Display	Camera	Graphics (Chipset)	GB	RPM	Optical Drive (UBay)	Wireless Networking	Battery	Blue Tooth	Finger- Print	Card Slot	Preload	NMSO \$	
1.0n T410	English	252222U	Intel® Core™	2.40 - 2.93 (turbo)	2GB (1 slot)	14.1" WXGA (1280x800)	Optional (not incl.)	Intel® HD Graphics	VGA+ DP	320	7200	DVD Burner (SATA)	Intel® 6200 AGN - 300mbps	6-Cell	Yes	Yes	ExpressCard/3 4 & Multi Card Reader [SmartCard by CTO]	W7 Pro 32-bit	\$1070.00 Bid # 651014732A
1.0n L412	English	055344U + 43R1814	Intel® Core™	2.53 - 3.06 (turbo)	3GB (2 slots)	14.0" HD (1366x768)	2.0MP fixed	Intel® HD Graphics	VGA+ DP	320	7200	DVD Burner (SATA)	Intel® 6200 AGN - 300mbps	6-Cell	Yes	Yes	ExpressCard/3 4 & Multi CardReader	W7 Pro 32-bit	\$1127.00 Bid # 651014732A
Must Order USB Modem		055344F + 43R1814	i5-540M																
Processor Intel® Core™ i5 processor i5-520M or i5-540M Dual-Core with 3MB cache, DMI, vPro (in T410), VT, Intel Turbo Boost, Hyper-Threading												Preloaded operating system							
Memory 2GB, 3GB std / 8GB max - [T410] PC3-8500 or [L412] PC3-10600 DDR3, non-parity, dual-channel, two SO-DIMM slots												- Some: Genuine Windows® 7 Professional 32							
Optical (T410) DVD Burner SATA 1.5Gb/s, Ultrabay slim, hotswappable, based on 43N3229; burning specs follow link												- Some: Genuine Windows 7 Professional 64							
Ultrabay (T410) One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel, battery and hard drive options												Preloaded applications							
Optical (L412) DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in																			
SATA disk Some: 160GB (7200 rpm/SSD), 250GB (5400 rpm), or 320GB (5400/7200 rpm) SATA 3.0Gb/s, 2.5" removable, Active Protection System™												• Rescue and Recovery™							
Widescreen T410: 14.1" WXGA (1280x800) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio												• Access Connections™							
Graphics L412: 14.0" HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio												• Password Manager							
Keyboard Intel HD Graphics in processor, VGA & DisplayPort monitor support (single-link DVI-D via cable 45J7915); dual independent display;												• ThinkVantage Power Manager							
Trackpoint 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys, Available in English, French, Acron (Tbits) - 6 row												• ThinkVantage System Update							
Touch pad TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar, magnifying glass												• Fingerprint Software (fi ngerprint models)							
ThinkLight UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch												• ThinkVantage Toolbox							
Dimensions T410: 14.1" (WxDxH): 13.2" x 9.4" x 1.1-1.3"; L412: 14.0" (WxDxH): 13.5" x 9.2" x 1.26-1.42";												• Adobe® Reader®							
Weight T410: 6-cell: starting at 5.0 lb (2.27kg); L412: 6-cell: from 5.11 lb (2.32kg);												• Skype™ for Windows							
Case Material T410: Top: High Elasticity PolyCarbonate (HEPC); L412: Acrylonitrile-Butadiene-Styrene (ABS) plastic												• Corel® WinDVD® (DVD±RW)							
Battery Type T410: Bottom: Carbon-Fiber Reinforced Plastic												• Core Burn.Now™ Lenovo Edition (DVD±RW)							
Battery Life Lithium Ion 6-cell (9-cell options available), T410 supports unique 2nd battery in Ultrabay Slim												• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)							
Chipset T410: 6-cell: up to 6.6 hr L412: 6-cell: up to 4.7 hr																			
ExpressCard/54 Mobile Intel QM57 Express Chipset																			
Multicard Reader One slot (ExpressCard/34)												Supports ThinkVantage Technologies							
Ports T410: 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC)												65-watt AC adapter							
Mini PCI Express L412: 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H)												ThinkPad Roll Cage (one-piece magnesium frame)							
Wireless Device T410: Four USB 2.0 (one powered), eSATA port, external monitor (VGA , DisplayPort), modem (RJ-11), ethernet, IEEE1394 FireWire400												EPEAT™ Gold rating							
Modem L412: Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA , DisplayPort), ethernet												ENERGY STAR® 5.0-compliant							
Bluetooth Two PCI Express Mini Card slots												RoHS-compliant							
Ethernet Intel 6200: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2												International Warranty Service							
Intel AMT 56K6 V.92 modem L412 must order USB 43R1814 Modem												24 hour x 7 day toll-free support during the warranty period							
Audio Support Bluetooth 2.1 wireless, LED indicator												via 1-800-426-7378							
Security T410: Intel 82577LM Gigabit Network Connection (Hanksville) L412: Realtek® RTL8111DL Gigabit Network Connection												3YR Depot + 3YR TPPProtection 41C9767							
Security Chip T410: Intel Active Management Technology (IAMT 4.0) L412: None																			
Fingerprint Reader High Definition Audio, T410 has Conexant 20585 codec, L412 has Realtek ALC269Q codec, 2 speakers (stereo), combo audio/mic jack												4YR Depot + 4YR TPPProtection 41C9771							
Ltd Warranty Power-on password, hard disk password, supervisor password, security keyhole												3YR Onsite 9x5 NBD 41C9718							
Corporate Policy: Trusted Platform Module, TCG 1.2-compliant												3YR Onsite 9x5 NBD 41C9719							
Lenovo and the Environment UPEK fingerprint reader on palm rest, swipe sensor, supports the security chip [T410 only - LED indicator, Power On Authentication]												3YR Depot + 3YR HDD Ret 12X6362							
Post-warranty annual maintenance agreements at												lenovo.com/thinkplus/warranty							
TCO Tools at												www.lenovo.com/thinkvantage							
Asset Recovery and Recycling																			

Lenovo Asset Recovery. 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

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ThinkPad® T510 15.6" - (Discrete Graphics)

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef)

E60EJ-07000M/005/EJ

Category	Language	Part No. - Disti Contract	CPU / Processor	GHz (speed)	Memory (RAM)	Wide Screen Display	Camera	Graphics (Chipset)	Disk GB RPM	Optical Drive (UBay)	Battery	Blue Tooth	Finger- Print	Card Slot	Preload	NMSO \$
2.0n T510	English	43495BU	i5-520M	2.40 - 2.93 (turbo)	2GB (1 slot)	15.6" HD+ (1600x900)	2.0MP fixed	NVIDIA® Quadro® NVS3100M VGA+ DP (512MB)	320 7200	DVD Burner (SATA)	6-Cell	Yes	Yes	ExpressCard/3 4 & 5-in-1 Reader	W7 Pro 32-bit	\$1189.00
	French	43495BF														
2.0n T510	English	43494WU	i5-540M	2.53 - 3.06 (turbo)	4GB (2 slots)	15.6" HD+ (1600x900)	2.0MP fixed	NVIDIA® Quadro® NVS3100M VGA+ DP (512MB)	320 7200	DVD Burner (SATA)	9-Cell	Yes	Yes	ExpressCard/3 4 & 5-in-1 Reader	W7 Pro 64-bit	\$1325.00
	French	43494WF														
Processor Intel® Core™ i5 processor i5-520M or i5-540M Dual-Core with 3MB cache, DMI, vPro, VT, Intel Turbo Boost, Hyper-Threading Memory 2GB, 3GB, or 4GB std / 8GB max / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets Optical DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable, based on 43N3294; burning specs follow link Ultrabay One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access SATA disk Some: 160GB (7200 rpm), 320GB (7200 rpm), or 500GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ Some: 128GB Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high Widescreen 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio - camera on top of screen, 2.0-megapixel, fixed focus Graphics NVIDIA® Quadro® NVS3100M, PCI Express® x16, 512MB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display Keyboard 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys; Available in English, French, Acnor (Tbits) Trackpoint TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar, magnifying glass Touch pad UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions label, multi-touch ThinkLight Illuminates the keyboard to improve visibility in low-light conditions Dimensions 15.6W" (WxDxH): 14.68" x 9.65" x 1.26-1.41"; 372.8mm x 245.1mm x 32-35.8mm Weight 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Case Material Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Battery Type Lithium Ion 6-cell or 9-cell, supports optional Slice battery (57Y4545) as 2nd battery Battery Life 6-cell: up to 4.7 hr; 9-cell: up to 7.8 hr; 9-cell plus Slice battery: up to 15.6 hr Chipset Mobile Intel QM57 Express Chipset ExpressCard/54 One slot (ExpressCard/34) Multicard Reader 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Ports Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Two PCI Express Mini Card slots Wireless Device Intel 6200: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Wireless WAN upgradable Modem 56K6 V.92 modem Bluetooth Bluetooth 2.1 wireless, LED indicator Ethernet Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel AMT Intel Active Management Technology (iAMT) Audio Support High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole Security Chip Trusted Platform Module, TCG 1.2-compliant FingerPrint Reader UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip Ltd Warranty 3-years/1-yr battery - depot repair service / service upgrades available												Preloaded operating system - Some: Genuine Windows® 7 Professional 32 - Some: Genuine Windows 7 Professional 64 Preloaded applications (only some listed) • Rescue and Recovery™, Access Connections™, Password Manager • Fingerprint Software (fingerprint models) • ThinkVantage System Update, Power Manager, ThinkVantage Toolbox • Norton™ Internet Security 2009 (30 days of virus definitions) • Adobe® Reader®, Adobe Flash® Player • Windows Live™ Toolbar • Sky™ for Windows • Microsoft® Office 2007 Trial (60-day) • Microsoft Research AutoCollage Touch • Roxio® Creator® Business Edition (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW)				
Supports ThinkVantage Technologies 90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service 24 hour x 7 day/18 toll-free support during the warranty period via 800-426-7378 3YR Depot + 3YR TPProtection 41C9767 4YR Depot + 4YR TPProtection 41C9771 3YR Onsite 9x5 NBD 41C9718 3YR Onsite 9x5 NBD 41C9719 3YR Depot + 3YR HDD Ret 12X6362																
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.												Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty TCO Tools at www.lenovo.com/thinkvantage Asset Recovery and Recycling				
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 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																
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ThinkPad® X201 3626 (Intel HD)

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef)

E60EJ-07000M/005/EJ

Category	Language	Part No. - Disti Contract	CPU / Processor	GHz (speed)	Memory (RAM)	Wide Screen Display	Web- Cam	Graphics (Chipset)	GB	RPM	External Optical must be INCLUDED!	Battery	Blue Tooth	Finger Print	Card Slot	Preload	NMSO \$ (incl. USB Burner)	
3.0n X201	English	3626FBU + 32N3264	i5-520M	2.40 - 2.93 (turbo)	2GB (1 slot)	12.1" WXGA (1280x800)	2MP fixed	Intel HD Graphics	VGA	250	5400	**USB Optical Drive**	6-Cell Li-Ion	Yes	Yes	ExpressCard/3 4 & 5-in-1 Reader	W7 Pro 32 bit	\$1278.00 Bid #s 651014732A 651014736A

Processor	Intel® Core™ i5 processor i5-520M Dual-Core with 3MB cache, DMI, vPro, VT, Intel Turbo Boost, Hyper-Threading											Preloaded operating system20				
Memory	2GB, 3GB, or 4GB std / 8GB max / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											- Some: Genuine Windows® 7 Professional 32				
Optical Device	Lenovo USB Portable DVD Burner: USB 2.0, 2MB Buffer Cache, DVDRW, 1YR Warr -- PN: 43N3264 - Bid # 651013538A											- Some: Genuine Windows 7 Professional 64				
SATA disk	250GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, Active Protection System™, removable, upgradable, shock mounted storage															
Widescreen	12.1" WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 250:1 contrast ratio											Preloaded applications (only some listed)				
Graphics	Intel HD Graphics in processor, monitor support via analog VGA connector / DP via UltraBase: dual independent display											<ul style="list-style-type: none"> • Rescue and Recovery™ • Access Connections™ • Password Manager • ThinkVantage Power Manager • ThinkVantage System Update • Fingerprint Software (fingerprint models) • Microsoft Office 2010 preloaded; purchase product key to activate 				
Keyboard	89-key, ThinkVantage button, spill-resistant, multimedia Fn keys, Available in English, French, Acnor (Tbits)															
Trackpoint	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar13, magnifying glass															
Touch pad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch															
ThinkLight	Illuminates the keyboard to improve visibility in low-light conditions															
Dimensions	without UltraBase: 4/6-cell: 11.6" x 8.3" x 0.8-1.4"; 295mm x 210mm x 20.7-35.3mm											ThinkPad X200 UltraBase (Docking Solution)				
Weight	6-cell: from 3.18 lb (1.44kg)											<ul style="list-style-type: none"> • Provides desktop expansion and cable management for X200 and X201 Series • Easily connects to the bottom of the X200 or X201 Series for traveling • Converts ThinkPad to a two-spindle system with optional Ultrabay Slim accessories in right side - Serial ATA Hard Drive Bay Adapter III - 43N3412 				
Case Material	Color: black; Material: magnesium alloy											Other features:				
Battery Type	Lithium Ion 4-cell, 6-cell, or 9-cell options available											<ul style="list-style-type: none"> • Power button (front), Stereo speakers (2 watt) • Security keyhole, Analog DB-15 monitor port, DisplayPort (supports single-link DVI-D via cable 45J7915) • Four USB 2.0 ports, Gigabit ethernet port, Audio Ports • Second battery charger 				
Battery Life	4-cell: up to 3.4 hr; 6-cell: up to 6.7 hr; 9-cell: up to 11.3 hr											65-watt AC Adapter				
Chipset	Mobile Intel QM57 Express Chipset											EPEAT™ Gold rating				
ExpressCard/54	One slot (ExpressCard/34, ExpressCard/54)											ENERGY STAR® 5.0-compliant				
Multicard Reader	5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC)											ROHS-compliant				
Ports	Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45)											International Warranty Service 24 hour x 7 day				
Mini PCI Express	Two PCI Express Mini Card slots											toll-free support during the warranty period via 800-426-7378				
Wireless Device	Intel Centrino® Advanced-N 6200, PCIe Mini Card, 11a/b/g/n wireless, 2x2											Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty TCO Tools at www.lenovo.com/thinkvantage Asset Recovery and Recycling				
Modem	56K6 V.92 modem															
Bluetooth	Bluetooth 2.1 wireless, LED indicator											The energy savings are based on an estimated usage model for various configurations.				
Ethernet	Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1															
Intel AMT	Intel Active Management Technology (iAMT)											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.				
Audio Support	HD Audio (integrated), Conexant 20585 codec / stereo speaker, 1 watt x 2 / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack															
Security	Power-on password, hard disk password, supervisor password, security keyhole											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				
Security Chip	Trusted Platform Module, TCG 1.2-compliant															
Fingerprint Reader	UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip											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				
Ltd Warranty	3-years P&L/1-year-battery, limited onsite service, 8am - 5pm, Mon - Fri (excluding holidays), Next Business Day response time / service upgrades available															

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

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

Please print this only when necessary



Offeror: Lenovo (Canada) Inc.

Item Description - T / L	Manufacturer	Mtkg Part #	NMSO Authorized Price	Lenovo Contract # (to reference at DISTRIBUTION)
- System Upgrades -				
Warranty				
Upgrade 3yrEzS to 3yr Onsite NBD	Lenovo	41C9718	\$61.00	651014736A
Upgrade 3yrEzS to 4yrEzS (Depot)	Lenovo	41E9581	\$75.00	651014736A
Upgrade 3yrEzS to 4yr Onsite NBD	Lenovo	41C9719	\$153.00	651014736A
3YR Onsite 9x5 NBD + TPP (from 3YR Depot)	Lenovo	41C9763	\$269.00	BP Pricing
4YR Onsite 9x5 NBD + TPP (from 3YR Depot)	Lenovo	41C9764	\$484.00	BP Pricing
RAM				
Add 1GB of RAM - PC3-8500 DDR3	Lenovo	55Y3706	42.00	BP Pricing / Install
Add 2GB of RAM - PC3-8500 DDR3	Lenovo	55Y3707	95.00	BP Pricing / Install
Add 4GB of RAM - PC3-8500 DDR3	Lenovo	55Y3708	125.00	BP Pricing / Install
Add 1GB of RAM - PC3-10600 DDR3	Lenovo	55Y3709	42.00	BP Pricing / Install
Add 2GB of RAM - PC3-10600 DDR3	Lenovo	55Y3710	95.00	BP Pricing / Install
Add 4GB of RAM - PC3-10600 DDR3	Lenovo	55Y3711	125.00	BP Pricing / Install
USB Modem: (L412 only)				
Lenovo USB Modem	Lenovo	43R1814	\$47.49	BP Pricing
USB Optical Drive: (X200 only)				
Lenovo USB Portabe DVD Burner	Lenovo	43N3264	\$75.00	651014736A
Keyboard Options:				
Bilingual Keyboard (Notebook)	Lenovo	OEM-BIL	\$0.00	Custom Config
Service Options:				
Image Installation	Lenovo	06P7506	\$25.00	651014736A
Switch to 32/64-BIT Win7 OS	Lenovo	N/A	\$0.00	
- SYSTEM COMPONENTS -				
RAM:				
** see RAM upgrades above **				
Hard Disk Drives internal to Notebook:				
250GB 5400 rpm SATA HDD	Lenovo	43R8152	\$79.99	BP Pricing
320GB 5400 rpm SATA HDD	Lenovo	43N3403	\$89.99	BP Pricing
500GB 5400 rpm SATA HDD	Lenovo	43N3420	\$109.99	BP Pricing
160 GB 7200 rpm SATA HDD	Lenovo	41N5737	\$69.99	BP Pricing
320GB 7200 rpm SATA HDD	Lenovo	43N3411	\$89.99	BP Pricing
500GB 7200 rpm SATA HDD	Lenovo	43N3423	\$109.99	BP Pricing
250GB FDE 7200 rpm SATA (full disk encrypt.)	Lenovo	43N3410	\$99.99	BP Pricing
256GB FDE 1.8" SSD* (full disk encrypt.)	Lenovo	43N3417	\$799.99	BP Pricing
128GB 1.8" SSD* (includes converter)	Lenovo	43N3406	\$379.99	BP Pricing
160GB Intel X25-M 2.5" SSD	Lenovo	43N3435	\$449.99	BP Pricing
Optical Drives:				
8x DVD +/- RW Optical Drive - T410 only	Lenovo	43N3229	100.00	651014736A
8x DVD +/- RW Optical Drive - T510 only	Lenovo	43N3294	\$127.49	BP Pricing
Lenovo USB Portabe DVD Burner - X201	Lenovo	43N3264	\$75.00	651014736A
Port Replicator / Docking Station				
ThinkPad Mini Dock 3 (for T410/T510)	Lenovo	433710U	171.00	651014736A
ThinkPad Mini Dock 'Plus' 3 (for T410/T510)	Lenovo	433810U	185.00	651014736A
Port Replicator / Docking Station - (for X201)	Lenovo	43R8781 + 40Y7659	\$150.00	651014736A
Keyboard/Pointing Device:				
Notebook OEM Approved Scroll Mouse	Lenovo	31P7410	\$23.00	651014736A
Notebook OEM Approved Keyboard (external)	Lenovo	73P5220	\$26.00	651014736A
Notebook OEM Approved External Numeric Keypad	Lenovo	33L3225	\$33.00	651014736A
AC Adapters/Chargers:				
UltraSlim Compact AC/DC Adapter	Lenovo	41R4493	80.00	651014736A
AC Adapter - 90-Watt - also used for MiniDocks	Lenovo	40Y7659	21.99	651014736A
T410/T510 Hi-Cap Batt - 6-Cell (T410/T510)	Lenovo	57Y4185	80.00	651014736A
T410/T510 Extended Battery - 9-Cell (T410/T510)	Lenovo	57Y4186	100.00	651014736A
Secondary Battery - 9-Cell Slice (T410/T510)	Lenovo	57Y4545	125.00	651014736A
X201 Std Battery - 4-Cell (CAT 3N)	Lenovo	43R9253	\$80.00	651014736A
X201 Hi-Cap Battery - 6-Cell (CAT 3N)	Lenovo	43R9254	\$85.00	651014736A
X201 Extended Battery - 9-Cell (CAT 3N)	Lenovo	43R9255	125.00	651014736A
Dongle:				
DisplayPort to Single-Link DVI-D Monitor	Lenovo	45J7915	20.00	651014736A
Carrying Case:				
ThinkPad Business Topload Nylon Case	Lenovo	43R2476	34.00	651014736A
ThinkPad Executive Leather Case	Lenovo	43R2480	56.00	651014736A
ThinkPad 12W Case Sleeve (X201 only)	Lenovo	51J0476	19.99	BP Pricing
USB 2.0 Thumbdrive:				
USB Memory Key - 2GB	Kingston	DTI/2GB	21.00	BP Pricing
Essential Memory Key - 4GB	Lenovo	45J7904	\$34.99	BP Pricing
Essential Memory Key - 8GB	Lenovo	45J7905	\$62.49	BP Pricing
Essential Memory Key - 32GB	Lenovo	45K1258	\$154.99	BP Pricing
Security				
Kensington MicroSaver Security Cable Lock from Lenovo	Lenovo / Kensington	73P2582	\$37.00	651014736A
Kensington Twin Head Cable Lock from Lenovo	Lenovo	45K1620	\$53.99	BP Pricing



For Cat 1.0N T410	Item Description	Price (ea)
Unevaluated Option 1	ThinkPad Serial ATA Hard Drive Bay Adapter III 43N3412	\$ 64.99
Unevaluated Option 2	Ultrabay Battery 57Y4536	\$ 127.49
Unevaluated Option 3	ThinkPad External Battery Charger 40Y7625	\$ 129.99
Unevaluated Option 4	MOUSE Mouse(black) 45K1696	\$ 47.49
Unevaluated Option 5	MOUSE TP opticalMouse 31P7410	\$ 34.00
Unevaluated Option 6	Lenovo Easy Reach Monitor Stand 55Y9258	\$ 87.49
Unevaluated Option 7	Lenovo 90W Ultralim AC/DC Combo Adapter 41R4493	\$ 129.99
Unevaluated Option 8	Privacy FILTER 14.1W Filter 43R2472	\$ 49.99
Unevaluated Option 9	3YR OS 9X5XNBD + 3YR TPRO 41C9763	\$ 269.00
Unevaluated Option 10	3YR OS9X5XNBD+3YR HDD RETENT 12X6362	\$ 119.00
Unevaluated Option 11	3Yr Depot + Battery Warranty 55Y2663	\$ 169.00
Unevaluated Option 12	3Yr NB Priority Enterprise-3yrDepo3yrOS 45K4945	\$ 177.49
Unevaluated Option 13	SafeGuard Enterprise Data Security Bundle 78Y5042	\$ 52.00
Unevaluated Option 14	USB-to-DVI Monitor Adapter - 45K5296	\$ 149.99
Unevaluated Option 15	DisplayPort to Single-Link DVI-D Cable - 45J7915	\$ 20.00
Unevaluated Option 16	Blackberry Charge Tip for Ultralim Adapter - 41R4478	\$ 17.49
Unevaluated Option 17	Lenovo 128GB SSD Hard Drive - 43N3406	\$ 379.99
Unevaluated Option 18	Lenovo 256GB FDE (Full Disk Encryption) - 43N3417	\$ 799.99

For Cat 2.0N T510	Item Description	Price (ea)
Unevaluated Option 1	ThinkPad Serial ATA Hard Drive Bay Adapter III 43N3412	\$ 64.99
Unevaluated Option 2	Ultrabay Battery 57Y4536	\$ 127.49
Unevaluated Option 3	ThinkPad External Battery Charger 40Y7625	\$ 129.99
Unevaluated Option 4	MOUSE Mouse(black) 45K1696	\$ 47.49
Unevaluated Option 5	MOUSE TP opticalMouse 31P7410	\$ 34.00
Unevaluated Option 6	Lenovo Easy Reach Monitor Stand 55Y9258	\$ 87.49
Unevaluated Option 7	Lenovo 90W Ultralim AC/DC Combo Adapter 41R4493	\$ 129.99
Unevaluated Option 8	Privacy FILTER 15.4W Filter 43r2474	\$ 54.99
Unevaluated Option 9	3YR OS 9X5XNBD + 3YR TPRO 41C9763	\$ 269.00
Unevaluated Option 10	3YR OS9X5XNBD+3YR HDD RETENT 12X6362	\$ 119.00
Unevaluated Option 11	3Yr Depot + Battery Warranty 55Y2663	\$ 169.00
Unevaluated Option 12	3Yr NB Priority Enterprise-3yrDepo3yrOS 45K4945	\$ 177.49
Unevaluated Option 13	SafeGuard Enterprise Data Security Bundle 78Y5042	\$ 52.00
Unevaluated Option 14	USB-to-DVI Monitor Adapter - 45K5296	\$ 149.99
Unevaluated Option 15	DisplayPort to Single-Link DVI-D Cable - 45J7915	\$ 20.00
Unevaluated Option 16	Blackberry Charge Tip for Ultralim Adapter - 41R4478	\$ 17.49
Unevaluated Option 17	Lenovo 128GB SSD Hard Drive - 43N3406	\$ 379.99
Unevaluated Option 18	Lenovo 256GB FDE (Full Disk Encryption) - 43N3417	\$ 799.99

For Cat 3.0N x201	Item Description	Price (ea)
Unevaluated Option 1	ThinkPad SATA Hard Drive Bay Adapter III - Requires Ultrabase 43N3412	\$ 64.99
Unevaluated Option 2	ThinkPad External Battery Charger 40Y7625	\$ 129.99
Unevaluated Option 3	MOUSE Mouse(black) 45K1696	\$ 47.49
Unevaluated Option 4	MOUSE TP opticalMouse 31P7410	\$ 34.00
Unevaluated Option 5	Lenovo Easy Reach Monitor Stand 55Y9258	\$ 87.49
Unevaluated Option 6	Lenovo 90W Ultralim AC/DC Combo Adapter 41R4493	\$ 129.99
Unevaluated Option 7	Privacy FILTER 15.4W Filter 43r2474	\$ 54.99
Unevaluated Option 8	3YR OS 9X5XNBD + 3YR TPRO 41C9763	\$ 269.00
Unevaluated Option 9	3YR OS9X5XNBD+3YR HDD RETENT 12X6362	\$ 119.00
Unevaluated Option 10	3Yr Depot + Battery Warranty 55Y2663	\$ 169.00
Unevaluated Option 11	3Yr NB Priority Enterprise-3yrDepo3yrOS 45K4945	\$ 177.49
Unevaluated Option 12	SafeGuard Enterprise Data Security Bundle 78Y5042	\$ 52.00
Unevaluated Option 13	USB-to-DVI Monitor Adapter - 45K5296	\$ 149.99
Unevaluated Option 14	DisplayPort to Single-Link DVI-D Cable - 45J7915	\$ 20.00
Unevaluated Option 15	Lenovo Power Hub - AC Adapter with 4 USB Ports 57Y4600	\$ 74.99
Unevaluated Option 16	Blackberry Charge Tip for Ultralim Adapter - 41R4478	\$ 17.49
Unevaluated Option 17	Lenovo 128GB SSD Hard Drive - 43N3406	\$ 379.99
Unevaluated Option 18	Lenovo 256GB FDE (Full Disk Encryption) - 43N3417	\$ 799.99

	Item Description	Price (ea)
Unevaluated Option 1		
Unevaluated Option 2		
Unevaluated Option 3		
Unevaluated Option 4		
Unevaluated Option 5		
Unevaluated Option 6		
Unevaluated Option 7		
Unevaluated Option 8		
Unevaluated Option 9		
Unevaluated Option 10		
Unevaluated Option 11		
Unevaluated Option 12		
Unevaluated Option 13		
Unevaluated Option 14		
Unevaluated Option 15		
Unevaluated Option 16		
Unevaluated Option 17		
Unevaluated Option 18		



Canadian NMSO Sales Contacts

Lenovo National Master Standing Offer Personal System Reference (NMSO PSRef)

E60EJ-07000M/005/EJ

Name	Position	Territory	Address	Phone	Cell	email
Wayne Jackson	Sales Representative	Atlantic Canada	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	416 383 4879	-	wjackson@lenovo.com
Mike Himmelman	Public Sector Account Executive	Atlantic Canada	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	902 482 4446	-	mhimmel@lenovo.com
Mark McDuff	Sales Representative	Quebec	630 Rene Levesque, Suite 230, Montreal, Quebec, Canada, H3B 1S6	514 390 5038	-	mmcduff@lenovo.com
Sylvain Gerin-Lajoie	Public Sector Account Executive	Quebec	44 Rue du Liseron, Pont-Rouge, Quebec, G3H 0C5	418 873 8479	-	sglajoie@lenovo.com
Sebastien Rossignol	Sales Representative	Quebec	1679 Aladin, Quebec City, Quebec, G3K 1G3	418 574 1009	-	srossign@lenovo.com
Dave McAllister	Public Sector Account Executive	Federal Gov't	1568 Merivale Road, Suite 421, Ottawa, Ontario, Canada, K2G 5Y7	613 298 9948	613 298 9948	dmcall@lenovo.com
Jonathan Kleinberg	Sales Representative	Federal Gov't	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	416 383 4638	416 627 2534	jklein@lenovo.com
Tanya Mackenzie	Sales Representative	Manitoba and Saskatchewan	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	416 383 2733	-	tmackenzie@lenovo.com
Carl Sader	Public Sector Account Executive	Manitoba and Saskatchewan	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	204 942 5566	-	csader@lenovo.com
Christine Chakalall	Sales Representative	Alberta & NWT	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	416 383 2584	-	cchakalall@lenovo.com
Tom Duchene	Public Sector Account Executive	Alberta & NWT	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	780-453-1031	-	tomduchene@lenovo.com
Brian Gerskup	Sales Representative	British Columbia	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	416 383 2987	-	bgerskup@lenovo.com
Dale Peddie	Public Sector Account Executive	British Columbia	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	250 655 7483	-	dalepedd@lenovo.com
Andre Simmons	Public Sector Sales Manager	Canada	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	416 383 4883	-	asimmons@lenovo.com
Rudie Nagelmakers	Public Sector Sales Director	Canada	2235 Sheppard Avenue E, Suite 1800, Atria II, North York, Ontario, M2J 5B5	416 383 4142	416 553 2996	rudjen@lenovo.com