







Lenovo ThinkCentre M92/M92p Tiny with Optional Serial Port or DisplayPort



Lenovo ThinkCentre M92/M92p Small



Lenovo ThinkCentre M92/M92p Tower



Lenovo ThinkCentre M92/M92p Tiny with Floor Stand



Lenovo ThinkCentre M92/M92p Tiny with VESA Mount



Lenovo ThinkCentre M92/M92p Tiny with External Optical Box

## ThinkCentre M92 Tiny (3235) - TopSeller

Type-model Processor	Memory <sup>8</sup>	SATA disk GB rpm	Dis F Graphics do	splay- Port Op ongle	ptiona port	l Chassis intr switcl	Floor h stand	VESA mount	ENERGY STAR 5.2	Intel vPro	Global	Ann date (mm/dd/yy)
3235-B8G i3-2120T 3235-B7G i3-2120T			HD 2000 N HD 2000 N									06/19/12 07/10/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- •3-year limited warranty

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Positioning Processor Implementation	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i3-2120T Processor (2 cores / 4 threads, 2.6GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system  Genuine Windows® 7  Professional 64  Ready to install applications (only some
		listed)
Memory Graphics  DP dongle	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)  Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz  None	<ul> <li>Rescue and Recovery<sup>™</sup></li> <li>Password Manager</li> <li>Preloaded applications (only some listed)</li> <li>ThinkVantage® Product Recovery</li> </ul>
Disk External optical SATA controller Onboard SATA eSATA port Chipset Front ports Rear ports  PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip Keyboard Mouse Floor Stand VESA mount Power supply	SATA 3.0Gb/s, 2.5" Wide  Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in  Serial ATA, SATA 6.0Gb/s support, integrated in chipset  One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar  None  Intel Q77 Express Chipset  Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)  Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)  One PCI Express® Mini Card slot  None  High Definition (HD) Audio, Realtek® ALC662 codec  Internal speaker for business audio  None  One gigabit ethernet port, Intel 82579, Wake on LAN®  Intel Active Management Technology 8.0 (Intel AMT 8.0)  None  Trusted Platform Module (TPM1.2-compliant)  Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo  Enhanced Optical USB Mouse, black, Lenovo logo  None  Supports VESA 75mm and 100mm mount standard  65 watts AC/DC adapter, autosensing, 87% PSU	<ul> <li>ThinkVantage System Update</li> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> <li>View Management Utility</li> <li>Lenovo AppShop</li> <li>Lenovo Solution Center</li> <li>Lenovo SimpleTap</li> <li>Norton™ Internet Security</li> <li>(30 days of virus definitions)</li> <li>Adobe® Reader®</li> <li>Skype™ for Windows</li> <li>Windows Live™ Essentials</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>Corel® Burn.Now™ (DVD±RW)</li> <li>Corel DVD MovieFactory® (DVD±RW)</li> </ul>
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	Security  Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	Hard disk password     Boot sequence control     Boot without keyboard and mouse     Individual USB port disablement     Chassis intrusion switch on selected model(s)  EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified
	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

## ThinkCentre M92 Tiny (3235) - TopSeller (Win 8)

		SATA disk	External	PCIe Mini Card	Optional	Chassis intrusion	Security	Floor	VESA ENER				Ann date
Type-model Processor	Memory	<sup>8</sup> GB rpm	optical	WLAN / BT	port	Switch	cable	stand	mount STAR	5.2 vPro	Global	Preload	(mm/dd/yy)
3235-C4G i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + B7	None	Switch	Cable	None	Mount ES5	2 None	None	Win8 Pro64	1 10/23/12
3235-C5G i3-3220T	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	Cable	None	Mount ES5	2 None	None	Win8 Pro64	1 10/23/12
3235-D3G i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + B7	None	Switch	Cable	None	Mount ES5	2 None	None	Win7 Pro64	1 10/23/12
3235-D4G i3-3220T	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	Cable	None	Mount ES5	2 None	None	Win7 Pro64	1 10/23/12
3235-E9G i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + B7	None	Switch	Cable	None	Mount ES5	2 None	None	Win8 Pro64	1 12/04/12
3235-F1G i3-3220T	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	Cable	None	Mount ES5	2 None	None	Win8 Pro64	1 12/04/12
3235-F2G i3-3220T	4GBx1	500G 7200	DVD±RW	Intel 2230 + B7	None	Switch	Cable	None	Mount ES5	2 None	None	Win7 Pro64	1 12/04/12
3235-F3G i3-3220T	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	Cable	None	Mount ES5	2 None	None	Win7 Pro64	1 12/04/12
3235-H2G i3-3240T	4GBx1	500G 7200	None	Intel 2230 + B7	None	Switch	None	None	Mount ES5	2 None	None	Win7 Pro64	4 06/11/13
3235-H3G i3-3240T	4GBx1	500G 7200	DVD±RW	Intel 2230 + B7	None	Switch	None	None	Mount ES5	2 None	None	Win7 Pro64	4 06/11/13

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

	•3-year limited warranty	
Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i3-3220T Processor (2 cores / 4 threads, 2.8GHz, 3MB cache),	Preloaded operating system
Trocessor	integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i3-3240T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics 2500.	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit
Implementation	integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket	Preloaded applications (only some listed) - Windows 7 models
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	ThinkVantage® Product Recovery
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	<ul> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> <li>Adobe® Reader®</li> <li>Corel® Burn.Now™ (DVD±RW)</li> <li>Corel DVD MovieFactory® (DVD±RW)</li> </ul>
DP dongle Disk	None SATA 3.0Gb/s, 2.5" Wide	- Windows 8 models
External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5 Wide  Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in  Serial ATA, SATA 6.0Gb/s support, integrated in chipset  One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar  None	<ul> <li>Lenovo® Support</li> <li>Lenovo Companion</li> <li>Lenovo Cloud Storage</li> <li>Norton™ Studio</li> <li>AccuWeather</li> </ul>
Chipset	Intel Q77 Express Chipset	Evernote®     Control   Paragraph   P
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer (DVD±RW)     All models     ThinkVantage System Update
PCIe Mini Card PCIe WLAN	One PCI Express® Mini Card slot 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	Lenovo Solution Center     View Management Utility
Bluetooth Audio Speaker	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	Norton Internet Security (30 days of virus definitions) Microsoft® Office preloaded; purchase a product key to activate
IEEE 1394 Ethernet Intel AMT Modem	None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None	Skype™
Keyboard Mouse Floor Stand	Trusted Platform Module (TPM1.2-compliant)  Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None	-
VESA mount Power supply	Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	Security     Security chip (see information on left)     Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
		<ul> <li>Power-on password</li> <li>Administrator password</li> <li>Hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Chassis intrusion switch on selected model(s)</li> </ul>
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

Type-model F	Processor		SATA disk GB rpm			PCIe Mini Card WLAN / BT	Optional port	Chassis intr switch	Floor stand	VESA mount			Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3229-A1G	G460	2GBx1	8G SSD	None	Intel HD	None	Serial	None	None	None	ES52	None	GΡ	Emb 32	07/10/12
3229-A2G	G465	2GBx1	8G SSD	None	Intel HD	None	Serial	None	None	None	ES52	None	GΡ	Emb 32	01/08/13
3229-A3G	G470	2GBx1	8G SSD	None	Intel HD	None	Serial	None	None	None	ES52	None	GΡ	Emb 32	07/09/13

• Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

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Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Celeron® G460 Processor (1 core / 2 threads, 1.8GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G465 Processor (1 core / 2 threads, 1.9GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller	Preloaded operating system Genuine Windows® 7 Embedded 32 Preloaded applications (only some listed) • Adobe® Reader® • Adobe Flash® Player • Citrix® Receiver • IIS Web Server • Microsoft® Management Console
Implementation	Processor in LGA1155 socket	Microsoft Silverlight
Memory	16GB max, <b>PC3-12800 1600MHz DDR3</b> , two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz DDR3 memory controller	Remote Desktop Protocol ThinPrint .print Client TightVNC Viewer VMware® View Client
Graphics  DB dengle	Intel HD Graphics in processor, uses main memory, HDCP, DirectX <sup>®</sup> 10.1, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	vWorkspace     Windows Media Player
DP dongle	None	-
Disk External optical SATA controller Onboard SATA eSATA port	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide None Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	
Chipset	Intel Q77 Express Chipset	
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	
PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip	One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	
Keyboard Mouse Floor Stand VESA mount Power supply	None None None None Some None Some None None None None None None None Non	Security • Security chip (see information on left)
Machine	Business black color; metal case     7.1" W X 7.2" D X 1.4" H     179mm W X 182mm D X 34.5mm H     9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant

## ThinkCentre M92p Tiny (2121) - TopSeller (Win 8)

Type-model Processor M		ATA disk GB rpm	External optical	Graphics	PCIe Mini Card WLAN / BT	nal	Chassis intru switch	Security	Floor stand	VESA mount	ENERGY STAR 5.:	/ Intel 2 vPro	Global	Preload	Ann date (mm/dd/yy)
2121-C3G i5-3470T 4	GBx1 50	0G 7200	None	HD 2500	Intel 6205	None	Switch	Cable	None	Mount	ES52	vPro	None	Win8 Pro6	4 10/23/12
2121-D2G i5-3470T 4	GBx1 50	0G 7200	None	HD 2500	Intel 6205	None	Switch	Cable	None	Mount	ES52	vPro	None	Win7 Pro6	4 10/23/12
2121-E6G i5-3470T 4	GBx1 50	0G 7200	<b>DVD±RW</b>	HD 2500	Intel 6205	None	Switch	None	None	Mount	ES52	vPro	None	Win8 Pro6	4 11/20/12
2121-E7G i5-3470T 4	GBx1 50	0G 7200	<b>DVD±RW</b>	HD 2500	Intel 6205	None	Switch	None	None	Mount	ES52	vPro	None	Win7 Pro6	4 11/20/12
2121-E8G i5-3470T 4	GBx1 50	0G 7200	None	HD 2500	Intel 6205	None	Switch	Cable	None	Mount	ES52	vPro	None	Win7 Pro6	4 12/04/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Implementation	Processor in LGA1155 socket	Some: Windows 8 Pro 64-bit
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	Preloaded applications (only some listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort <sup>™</sup> , one optional DisplayPort, supports up to triple independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	<ul> <li>Windows 7 models</li> <li>ThinkVantage® Product Recovery</li> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> </ul>
DP dongle	None	Adobe® Reader®
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm  Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	Corel® Burn.Now™ (DVD±RW)     Corel DVD MovieFactory® (DVD±RW)     - Windows 8 models     Lenovo® Support     Lenovo Companion
Chipset	Intel Q77 Express Chipset	Lenovo Cloud Storage
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	Norton™ Studio     AccuWeather     Evernote®     Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer (DVD±RW)
PCIe Mini Card PCIe WLAN Bluetooth	One PCI Express® Mini Card slot 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 None	- All models
Audio Speaker	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	<ul><li>ThinkVantage System Update</li><li>Lenovo Solution Center</li><li>View Management Utility</li></ul>
IEEE 1394 Ethernet Intel AMT Modem Security chip	None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	Norton Internet Security     (30 days of virus definitions)     Microsoft® Office preloaded;     purchase a product key to activate     Skype™
Keyboard Mouse Floor Stand	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None	-
VESA mount Power supply	Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU	Security
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified
Limited Warranty	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies

					Display-						
<b>-</b>		SATA disk	External				Chassis Flo	r VESA ENERO	Y Intel		Ann date
Type-model Processor	Memory <sup>8</sup>	GB rpm	optical	Graphics	dongle	port	intr switch star	d mount STAR 5	o.2 vero C	Jiobaipreioad	(mm/aa/yy)
3243-A6G i5-3470T	4GBx1 1600MHz	320G 7200	DVD±RW	HD 2500	None	DP	Switch Non	Mount ES52	vPro I	None Pro 64	07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 1-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise  Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Preloaded operating system  Genuine Windows® 7  Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Ready to install applications (only some
Implementation	Processor in LGA1155 socket	listed)
Memory	16GB max, <b>PC3-12800 1600MHz DDR3</b> , two 204-pin SODIMM sockets (notebook)	<ul> <li>Rescue and Recovery™</li> </ul>
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display;	Password Manager  Preloaded applications (only some listed)  Think (onto on Bradust Password)
DP dongle	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz Some: DisplayPort to Single-link DVI-D Cable	ThinkVantage® Product Recovery ThinkVantage System Update
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo Message Center Plus
Chipset	Intel Q77 Express Chipset	Lenovo SimpleTap     Northart Market Constitution
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	<ul> <li>Norton™ Internet Security (30 days of virus definitions)</li> <li>Adobe® Reader®</li> <li>Skype™ for Windows</li> <li>Windows Live™ Essentials</li> </ul>
PCIe Mini Card PCIe WLAN	One PCI Express® Mini Card slot None	Microsoft® Office preloaded; purchase a product key to activate
Bluetooth Audio	None High Definition (HD) Audio, Realtek® ALC662 codec	<ul> <li>Corel® Burn.Now™ (DVD±RW)</li> <li>Corel DVD MovieFactory® (DVD±RW)</li> </ul>
Speaker	Internal speaker for business audio	Color By B Movier deterly (By B Ermy)
IEEE 1394	None	
Ethernet Intel AMT	One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard Mouse Floor Stand VESA mount	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard	
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	<ul> <li>Business black color; metal case</li> <li>7.1" W X 7.2" D X 1.4" H</li> <li>179mm W X 182mm D X 34.5mm H</li> <li>9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)</li> </ul>	
		Security  Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Chassis intrusion switch on selected model(s)  EPEAT™ Gold rating
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	ENERGY STAR® 5.Ž-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies
	-r	

Type-model Processor Memory <sup>8</sup>	xternal optical Graphics	Display- Port Optional dongle port	Chassis Floor intr switch stand	VESA ENERGY Intel mount STAR 5.2 vPro	Win7 Ann date Globalpreload <i>(mm/dd/yy)</i>
3238-A6G i5-3470T 4GBx1 1600MHz 3238-A8G i5-3470T 4GBx1 1600MHz	 				None Pro 64 06/05/12 None Pro 64 06/05/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   3-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise  Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Preloaded operating system Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
Implementation Memory	16GB max, <b>PC3-12800 1600MHz DDR3</b> , two 204-pin SODIMM sockets (notebook)	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> <li>Preloaded applications (only some listed)</li> <li>ThinkVantage® Product Recovery</li> </ul>
DP dongle	Some: DisplayPort to Single-link DVI-D Cable	<ul> <li>ThinkVantage System Update</li> </ul>
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo Message Center Plus
Chipset	Intel Q77 Express Chipset	Lenovo SimpleTap     Norton™ Internet Security
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	<ul> <li>Norton™ Internet Security (30 days of virus definitions)</li> <li>Adobe® Reader®</li> <li>Skype™ for Windows</li> <li>Windows Live™ Essentials</li> </ul>
PCIe Mini Card PCIe WLAN Bluetooth	One PCI Express® Mini Card slot None None	Microsoft® Office preloaded; purchase a product key to activate     Corel® Burn.Now™ (DVD±RW)
Audio Speaker	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	Corel DVD MovieFactory® (DVD±RW)
IEEE 1394	None	
Ethernet Intel AMT	One gigabit ethernet port, Intel 82579, Wake on LAN <sup>™</sup> Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	_
Keyboard Mouse Floor Stand VESA mount Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	Business black color; metal case	-
	• 7.1" W X 7.2" D X 1.4" H	
	<ul> <li>179mm W X 182mm D X 34.5mm H</li> <li>9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)</li> </ul>	Security • Security chip (see information on left)
		Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)     Power-on password
		Administrator password     Hard disk password     Boot sequence control     Boot without keyboard and mouse
		Individual USB port disablement     Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies
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				Display-				
		SATA disk	External		Floor	VESA ENERGY Intel	Global (G)	Win7 Ann date
Type-model Processor	Memory <sup>8</sup>	GB rpm	optical	Graphics dongle port intr switch	stand	mount STAR 5.2 vPro	GMP (P)	preload(mm/dd/yy)

3237-A1G i5-3470T 4GBx1 1600MHz 320G 5400 DVD±RW HD 2500 None None None None Mount ES52 vPro Pro 64 06/05/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache),	Genuine Windows® 7
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Ready to install applications (only some
Implementation Moment	Processor in LGA1155 socket  16GB max, <b>PC3-12800 1600MHz DDR3</b> , two 204-pin SODIMM sockets (notebook)	listed)
Memory	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11,	<ul> <li>Rescue and Recovery<sup>™</sup></li> </ul>
Graphics	one VGA, one DisplayPort™, one optional DisplayPort,	Password Manager
	supports up to triple independent display;	Preloaded applications (only some listed)
	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	<ul> <li>ThinkVantage® Product Recovery</li> </ul>
DP dongle	None	ThinkVantage System Update     ThinkVantage Communication Litility
Disk	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm	ThinkVantage Communication Utility     ThinkVantage Power Manager
External optical	Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in	View Management Utility
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset	Lenovo AppShop
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar	Lenovo Solution Center
eSATA port	None	Lenovo Message Center Plus
Chipset	Intel Q77 Express Chipset	Lenovo SimpleTap     Norton™ Internet Security
Front ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	(30 days of virus definitions)
Rear ports	Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models),	Adobe® Reader®
	ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	<ul> <li>Skype<sup>™</sup> for Windows</li> </ul>
PCIe Mini Card	One PCI Express® Mini Card slot	Windows Live™ Essentials
PCIe WLAN	None	Microsoft® Office preloaded;  purchase a product key to activate.
Bluetooth	None	purchase a product key to activate  • Corel® Burn.Now™ (DVD±RW)
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Corel DVD MovieFactory® (DVD±RW)
Speaker	Internal speaker for business audio	,
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	None	
VESA mount	Supports VESA 75mm and 100mm mount standard	
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	Business black color; metal case	
	• 7.1" W X 7.2" D X 1.4" H	
	<ul> <li>179mm W X 182mm D X 34.5mm H</li> <li>9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)</li> </ul>	
	9.1 ib (4.1 kg) in maximum configuration (including External Optical Box)	Security
		<ul> <li>Security chip (see information on left)</li> </ul>
		Security slot (in rear for attachment of
		optional Kensington® MicroSaver® cable)
		Power-on password
		Administrator password
		Hard disk password
		Boot sequence control
		Boot without keyboard and mouse
		<ul> <li>Individual USB port disablement</li> <li>Chassis intrusion switch on selected</li> </ul>
		model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant
		ULE Gold
		Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

## ThinkCentre M92p Tiny (3237) - GMP (Thin Client)

Type-model	Processor		SATA disk <sup>8</sup> GB rpm	External optical										) Win7 Ann date preload <i>(mm/dd/yy)</i>
3237-A3G	i5-3470T	2GBx1	8G SSD	None	HD 2500	None	Serial	None	None	None	ES52	vPro	GΡ	Emb 32 07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

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Positioning Processor	Ultimate security, stability, and manageability for the enterprise  Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded operating system Genuine Windows® 7 Embedded 32
Implementation	Processor in LGA1155 socket	Preloaded applications (only some listed)
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	Adobe® Reader®
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort <sup>™</sup> , one optional DisplayPort, supports up to triple independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	Adobe Flash® Player     Citrix® Receiver     IlS Web Server     Microsoft® Management Console     Microsoft Silverlight
DP dongle	None	Remote Desktop Protocol
Disk External optical SATA controller Onboard SATA	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide None Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar	ThinPrint .print Client TightVNC Viewer VMware® View Client Workspace Windows Media Player
eSATA port	None Intel Q77 Express Chipset	-
Chipset Front porto	· · · · · · · · · · · · · · · · · · ·	-
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	
PCIe Mini Card PCIe WLAN	One PCI Express® Mini Card slot None	
Bluetooth Audio	None High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem Security chip	None Trusted Platform Module (TPM1.2-compliant)	
Keyboard	None	-
Mouse	None	
Floor Stand	None	
VESA mount	None	
Power supply	65 watts AC/DC adapter, autosensing, 87% PSU	
Machine	<ul> <li>Business black color; metal case</li> <li>7.1" W X 7.2" D X 1.4" H</li> <li>179mm W X 182mm D X 34.5mm H</li> <li>9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)</li> </ul>	
		Security
		Security chip (see information on left)     Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
		Power-on password     Administrator password     Hard disk password     Boot sequence control     Boot without keyboard and mouse     Individual USB port disablement     Chassis intrusion switch on selected
		Criassis intrusion switch on selected model(s)  EPEAT™ Gold rating
		ENERGY STAR® 5.Ž-compliant ULE Gold
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant
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Type-model Processor Memory®	SATA disk GB rpm	External optical	Graphics	PCIe Mini Card VLAN / B1	Optiona port	l Chassis intr switch	Floor stand	VESA mount	ENERGY STAR 5.2	/ Intel 2 vPro	Global (0 GMP (P	G) ) Preload	Ann date (mm/dd/yy)
3237-A4G i5-3470T 4GBx1 3237-A5G i5-3470T 4GBx1					None None			Mount Mount			_	Win8 Pro6	

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade
Implementation	Processor in LGA1155 socket	rights in Windows 8 Pro 64-bit  Some: Windows 8 Pro 64-bit
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)	Preloaded applications (only some listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort <sup>™</sup> , one optional DisplayPort, supports up to triple independent display;	Windows 7 models     ThinkVantage® Product Recovery     ThinkVantage Communication Utility
DP dongle	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz None	ThinkVantage Power Manager     Lenovo® AppShop
Disk External optical SATA controller Onboard SATA eSATA port	SATA 3.0Gb/s, 2.5" Wide, 5400 rpm Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in Serial ATA, SATA 6.0Gb/s support, integrated in chipset One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar None	Lenovo Message Center Plus     Lenovo SimpleTap     Adobe® Reader®     Windows Live™ Essentials     Corel® Burn.Now™ (DVD±RW)     Corel DVD MovieFactory® (DVD±RW)
Chipset	Intel Q77 Express Chipset	- Windows 8 models
Front ports Rear ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)	Lenovo Support     Lenovo Companion     Lenovo Cloud Storage     Norton™ Studio
PCIe Mini Card PCIe WLAN Bluetooth Audio Speaker	One PCI Express® Mini Card slot None None High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	AccuWeather     Evernote®     Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer (DVD±RW)
IEEE 1394	None	<ul><li>All models</li><li>ThinkVantage System Update</li></ul>
Ethernet Intel AMT Modem Security chip	One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	<ul> <li>Lenovo Solution Center</li> <li>View Management Utility</li> <li>Norton Internet Security</li> <li>(30 days of virus definitions)</li> </ul>
Keyboard Mouse Floor Stand VESA mount Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None Supports VESA 75mm and 100mm mount standard 65 watts AC/DC adapter, autosensing, 87% PSU	Microsoft® Office preloaded; purchase a product key to activate     Skype™
Machine	Business black color; metal case 7.1" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)	
	- 5.1 is (-1.1 ig) in maximum configuration (including External Optical Box)	Security  Security chip (see information on left)  Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)  Power-on password  Administrator password  Hard disk password  Boot sequence control  Boot without keyboard and mouse  Individual USB port disablement  Chassis intrusion switch on selected model(s)  EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

#### ThinkCentre M92p Small (2988) - TopSeller

						Display-							
Slot x Type-model bay Processor	Memory <sup>8</sup>	SATA disk GB rpm	SATA optical	Media reader	Graphics	Port	Chassis intr switch	Floor stand	ENERGY STAR 5.2	Intel vPro	Global	Win7 preload	Ann date (mm/dd/yy)

2988-B1G 4x3 i5-3470 4GBx1 1600MHz 500G 7200 DVD±RW Media HD 2500 None Switch None ES52 vPro None Pro 64 07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	- listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> <li>Preloaded applications (only some listed)</li> </ul>
DP dongle	None	ThinkVantage® Product Recovery
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage System Update
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	ThinkVantage Communication Utility     ThinkVantage Power Manager
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	View Management Utility     Lenovo AppShop     Lenovo Solution Center
eSATA port	None	Lenovo Message Center Plus
Media reader	29-in-1 media reader, internal USB 2.0	● Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security     (30 days of virus definitions)
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Adobe® Reader®
Rear ports Rear audio ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	<ul> <li>Skype™ for Windows</li> <li>Windows Live™ Essentials</li> </ul>
	Two USB 2.0 planar conn (1 used; one open for additional USB devices),	Windows Live Microsoft® Office preloaded;
	one internal DisplayPort connector	purchase a product key to activate
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Corel® Burn.Now™ (DVD±RW)     Corel DVD MovieFactory® (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio None	Core DVD Movieraciory (DVD±hVV)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	_
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse Floor Stand	Enhanced Optical USB Mouse, black, Lenovo logo None	
Power supply	240 watts, autosensing, 85% PSU	
Machine	Business black color; metal case	-
	<ul> <li>13.3" W X 15.2" D X 3.9" H</li> <li>338mm W X 385mm D X 100mm H</li> <li>16.5 lb (7.5 kg) in maximum configuration</li> <li>Toolless cover flips up and tilts backward on rear hinges</li> <li>Toolless disk and optical drive removal</li> <li>Toolless adapter retention</li> </ul>	
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Security  Security chip (see information on left)
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	<ul> <li>Securitý sloť (in rear for attachment óf optional Kensington® MicroSaver® cable)</li> <li>Cable lock</li> <li>Power-on password</li> <li>Administrator password</li> </ul>
		Hard disk password     Boot sequence control     Boot without keyboard and mouse     Individual USB port disablement     Chassis intrusion switch on selected model(s)
	disk optical	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUÄRD® certified RoHS-compliant Supports ThinkVantage Technologies

Type-model	Slot x bay		Memory	SATA disk 8 GB rpm	SATA optical	Media reader	Graphics	PCIe Mini Card WLAN / BT			ENERGY STAR 5.2			Preload	Ann date (mm/dd/yy)
2988-C5G	4x3	i5-3470	4GBx1	500G 7200	DVD±RW	Media	HD 2500	Intel 6205	Switch	None	ES52	vPro	None	Win8 Pro64	10/23/12
2988-D6G	4x3	i5-3470	4GBx1	500G 7200	DVD±RW	Media	HD 2500	Intel 6205	Switch	None	ES52	vPro	None	Win7 Pro64	10/23/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program 3-year limited warranty

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Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	Preloaded operating system
1 10000001	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Some: Windows® 7 Professional 64 preinstalled through downgrade
landam antation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	rights in Windows 8 Pro 64-bit
Implementation	Processor in LGA1155 socket	Some: Windows 8 Pro 64-bit
Memory Graphics	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed) - Windows 7 models
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;	
DD densile	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	<ul> <li>ThinkVantage® Product Recovery</li> <li>ThinkVantage Communication Utility</li> </ul>
DP dongle Disk	None	<ul> <li>ThinkVantage Power Manager</li> </ul>
Optical	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Adobe® Reader®     Corel® Burn.Now™ (DVD±RW)
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	Corel DVD MovieFactory® (DVD±RW)
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,	- Windows 8 models
eSATA port	one SATA 3.0Gb/s connector, and one eSATA connector None	Lenovo® Support
Media reader	29-in-1 media reader, internal USB 2.0	Lenovo Companion     Lenovo Cloud Storage
Chipset	Intel Q77 Express Chipset	<ul> <li>Lenovo Cloud Storage</li> <li>Norton™ Studio</li> </ul>
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	AccuWeather
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	Evernote®     Cyberlink Power2Go (DVD±RW)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used: one open for additional USB devices).	Cyberlink PowerProducer (DVD±RW)
internal connector	one internal DisplayPort connector	- All models
PCIe WLAN	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2	ThinkVantage System Update
Bluetooth Audio	None High Definition (HD) Audio, Realtek® ALC662 codec	Lenovo Solution Center     View Management Utility
Speaker	Internal speaker for business audio	Norton Internet Security
IEEE 1394	None	(30 days of virus definitions)  • Microsoft® Office preloaded;
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	purchase a product key to activate
Intel AMT Modem	Intel Active Management Technology 8.0 (Intel AMT 8.0) None	<ul> <li>Skype™</li> </ul>
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand Power supply	None 240 watts, autosensing, 85% PSU	
Machine	Business black color; metal case	-
Machine	• 13.3" W X 15.2" D X 3.9" H	
	<ul> <li>338mm W X 385mm D X 100mm H</li> <li>16.5 lb (7.5 kg) in maximum configuration</li> </ul>	
	Toolless cover flips up and tilts backward on rear hinges	
	Toolless disk and optical drive removal	Security
Bay	<ul> <li>Toolless adapter retention</li> <li>Bay 1: 5.25", 1.6" high, access, std optical</li> </ul>	Security     Security chip (see information on left)
-wj	Bay 2: 3.5", 1" high, no access, std disk	Security slot (in rear for attachment of
Slot	Bay 3: 3.5", .5" high, access, opt reader Slot 1: Low Profile, PCI Express 2.0 x16 (45w max)	optional Kensington® MicroSaver® cable)
3101	Slot 2: Low Profile, PCIe 2.0 x1	Cable lock
	Slot 3: Low Profile, 32-bit PCI 2.3	Power-on password     Administrator password
	Slot 4: Low Profile, 32-bit PCI 2.3	Hard disk password
		Boot sequence control     Boot without keyboard and mouse
		<ul> <li>Individual USB port disablement</li> </ul>
		Chassis intrusion switch on selected
	disk optical	model(s)  EPEAT™ Gold rating
	Copilodi Cop	ENERGY STAR® 5.2-compliant
		ULE Gold
1.5	Oursell Built-deside conde Com For M. F.	Cisco EnergyWise compatible GREENGUARD® certified
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies
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## ThinkCentre M92p Small (2996)

Type-model	lot x bay		Memory <sup>8</sup>	SATA disk GB rpm	SATA optical	Media reader	Display- Port Graphics dongle	Chassis Floor intr switch stand			Win7 bal preload	Ann date (mm/dd/yy)
2996-A1G	4x3	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500 None	Switch None	ES52	vPro Nor	ne Pro 64	07/10/12

Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 1-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> <li>Preloaded applications (only some listed)</li> </ul>
DP dongle	None None	ThinkVantage® Product Recovery
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage System Update
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	ThinkVantage Communication Utility     ThinkVantage Power Manager
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,	View Management Utility
Onboard Ortirt	one SATA 3.0Gb/s connector, and one eSATA connector	Lenovo AppShop     Lenovo Solution Center
eSATA port	None	Lenovo Message Center Plus
Media reader	None	● Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security     (30 days of virus definitions)
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	Adobe® Reader®
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Skype™ for Windows     Windows Live™ Essentials
	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	Microsoft® Office preloaded;
A	one internal DisplayPort connector	purchase a product key to activate
Audio Speaker	High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	Corel® Burn.Now™ (DVD±RW)     Corel DVD MovieFactory® (DVD±RW)
IEEE 1394	None	(212=1117)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem Security chip	None Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	-
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	None	
Power supply	240 watts, autosensing, 85% PSU	_
Machine	<ul> <li>Business black color; metal case</li> <li>13.3" W X 15.2" D X 3.9" H</li> </ul>	
	• 338mm W X 385mm D X 100mm H	
	<ul> <li>16.5 lb (7.5 kg) in maximum configuration</li> <li>Toolless cover flips up and tilts backward on rear hinges</li> </ul>	
	Toolless disk and optical drive removal	
5	Toolless adapter retention	Security
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk	<ul> <li>Security chip (see information on left)</li> <li>Security slot (in rear for attachment of</li> </ul>
	Bay 3: 3.5", .5" high, access, opt reader	optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1	cable)  • Cable lock
	Slot 3: Low Profile, 32-bit PCI 2.3	Power-on password
	Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password
		Hard disk password     Boot sequence control
		<ul> <li>Boot without keyboard and mouse</li> </ul>
		Individual USB port disablement     Chassis intrusion switch on selected
	disk optical	model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant
		ULE Gold Cisco EnergyWise compatible
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
,	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

## ThinkCentre M92p Small (3209)

Type-model	Slot x bay		Memory <sup>8</sup>	SATA disk GB rpm	SATA optical	Media reader	Display- Port Graphics dongle	Chassis		ENERGY STAR 5.2			Win7 preload	Ann date (mm/dd/yy)
3209-B4G	4x3	i5-3550	4GBx1 1600MHz	500G 7200	DVD±RW	None	HD 2500 None	None	None	ES52	vPro	None	Pro 64	06/05/12

Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

• 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	listed)
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	<ul> <li>Rescue and Recovery<sup>™</sup></li> <li>Password Manager</li> <li>Preloaded applications (only some listed)</li> </ul>
DP dongle	None	ThinkVantage® Product Recovery     ThinkVantage® Product Recovery
Disk Optical SATA controller Onboard SATA	SATA 6.0Gb/s 7200 rpm  Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive  Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support  Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	<ul> <li>ThinkVantage System Update</li> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> <li>View Management Utility</li> <li>Lenovo AppShop</li> </ul>
eSATA port	None	<ul><li>Lenovo Solution Center</li><li>Lenovo Message Center Plus</li></ul>
Media reader	None	Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security     (30 days of virus definitions)
Internal connector Audio Speaker IEEE 1394	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None	Adobe® Reader®     Skype™ for Windows     Windows Live™ Essentials     Microsoft® Office preloaded; purchase a product key to activate     Corel® Burn.Now™ (DVD±RW)     Corel DVD MovieFactory® (DVD±RW)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT Modem	Intel Active Management Technology 8.0 (Intel AMT 8.0) None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard Mouse Floor Stand Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo None 240 watts, autosensing, 85% PSU	
Machine	Business black color; metal case	-
Washine	<ul> <li>13.3" W X 15.2" D X 3.9" H</li> <li>338mm W X 385mm D X 100mm H</li> <li>16.5 lb (7.5 kg) in maximum configuration</li> <li>Toolless cover flips up and tilts backward on rear hinges</li> <li>Toolless disk and optical drive removal</li> <li>Toolless adapter retention</li> </ul>	Security
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader	Security chip (see information on left)     Security slot (in rear for attachment of optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	cable)  Cable lock  Power-on password  Administrator password  Hard disk password  Boot sequence control
	disk optical	Boot without keyboard and mouse     Individual USB port disablement     Chassis intrusion switch on selected model(s)  EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

## ThinkCentre M92p Small (3227) - GMP

Slot x Type-model bay Processor	Memory <sup>8</sup>	SATA disk GB rpm	SATA optical	Media reader	Display Port dongle	Chassis	Floor stand	ENERGY STAR 5.2	Intel (	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3227-A1G 4x3 i7-3770 4 3227-A2G 4x3 i5-3470 4										_		06/05/12 06/19/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,	Ready to install applications (only some listed)
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> </ul>
Memory	32GB max, <b>UDIMM</b> , <b>PC3-12800 1600MHz DDR3</b> , four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics	Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory,	-  ` ` ` ` ` /
DP dongle	DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz  None	ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Revus Massacra
Disk	SATA 6.0Gb/s 7200 rpm	ThinkVantage Power Manager     View Management Utility
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo AppShop
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	Lenovo Solution Center
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	Lenovo Message Center Plus     Lenovo SimpleTap     Norton™ Internet Security
eSATA port	None	(30 days of virus definitions)
Media reader	None	● Àdobe® Reader®
Chipset	Intel Q77 Express Chipset	Skype™ for Windows     Windows Live™ Feeentials
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	<ul> <li>Windows Live™ Essentials</li> <li>Microsoft® Office preloaded;</li> </ul>
Rear ports	Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	purchase a product key to activate
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Corel® Burn.Now™ (DVD±RW)
internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector	<ul> <li>Corel DVD MovieFactory® (DVD±RW)</li> </ul>
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	System floor stand for vertical orientation	
Power supply	240 watts, autosensing, 85% PSU	-
Machine	Business black color; metal case     13.3" M V 15.0" D V 3.0" L I	
	<ul> <li>13.3" W X 15.2" D X 3.9" H</li> <li>338mm W X 385mm D X 100mm H</li> </ul>	
	• 16.5 lb (7.5 kg) in maximum configuration	
	<ul> <li>Toolless cover flips up and tilts backward on rear hinges</li> </ul>	
	Toolless disk and optical drive removal     Toolless adoptor retestion	Consults
Bay	<ul> <li>Toolless adapter retention</li> <li>Bay 1: 5.25", 1.6" high, access, std optical</li> </ul>	Security  Security chip (see information on left)
Бау	Bay 2: 3.5", 1" high, no access, std disk	Security slot (in rear for attachment of
	Bay 3: 3.5", .5" high, access, opt reader	optional Kensington® MicroSaver®
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max)	cable)
	Slot 2: Low Profile, PCle 2.0 x1	Cable lock     Power-on password
	Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Administrator password
	GIOT 4. LOW F TOING, OZ DIT F OT Z.O	Hard disk password
		Boot sequence control     Boot without keyboard and mayor
	disk optical	Boot without keyboard and mouse     Individual USB port disablement
		Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.Ž-compliant
		ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
Littileu vvariatily	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies
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Slot x Type-model bay Processor Memory <sup>8</sup>	SATA disk SATA GB rpm optical	Media reader Graphics	Display- Port Chassis Floor dongle intr switch stand	ENERGY Intel STAR 5.2 vPro	Global (G) GMP (P) Preload	Ann date (mm/dd/yy)
3227-A3G 4x3 i5-3470 4GBx1 1600MHz 3227-A4G 4x3 i5-3470 4GBx1 1600MHz					G P Win8 Pro64 G P Win7 Pro64	

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Implementation	Processor in LGA1155 socket	Some: Windows 8 Pro 64-bit
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics  DP dongle	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz  None	Windows 7 models     ThinkVantage® Product Recovery     ThinkVantage Communication Utility
Disk	SATA 6.0Gb/s 7200 rpm	<ul> <li>ThinkVantage Power Manager</li> <li>Lenovo® AppShop</li> </ul>
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo Message Center Plus
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	<ul> <li>Lenovo SimpleTap</li> <li>Adobe® Reader®</li> <li>Windows Live™ Essentials</li> </ul>
eSATA port Media reader	None None	Corel® Burn.Now™ (DVD±RW)     Corel DVD MovieFactory® (DVD±RW)
Chipset	Intel Q77 Express Chipset	- Windows 8 models
	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	Lenovo Support     Lenovo Companion     Lenovo Cloud Storage     Norton™ Studio     AccuWeather
	one internal DisplayPort connector	Evernote®
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	Cyberlink Power2Go (DVD±RW)
Speaker IEEE 1394	Internal speaker for business audio None	Cyberlink PowerProducer (DVD±RW)
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	- All models
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	<ul> <li>ThinkVantage System Update</li> <li>Lenovo Solution Center</li> </ul>
Modem	None Trusted Platform Medula (TDM1 0 compliant)	<ul> <li>View Management Utility</li> </ul>
Security chip	Trusted Platform Module (TPM1.2-compliant)	Norton Internet Security     (30 days of virus definitions)
Keyboard Mouse	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo	Microsoft® Office preloaded;
Floor Stand	System floor stand for vertical orientation	purchase a product key to activate
Power supply	240 watts, autosensing, 85% PSU	● Skype™
Machine	<ul> <li>Business black color; metal case</li> <li>13.3" W X 15.2" D X 3.9" H</li> <li>338mm W X 385mm D X 100mm H</li> <li>16.5 lb (7.5 kg) in maximum configuration</li> <li>Toolless cover flips up and tilts backward on rear hinges</li> <li>Toolless disk and optical drive removal</li> <li>Toolless adapter retention</li> <li>Bay 1: 5.25", 1.6" high, access, std optical</li> <li>Bay 2: 3.5", 1" high, no access, std disk</li> </ul>	
	Bay 3: 3.5", .5" high, access, opt reader	Security
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (45w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3	Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Cable lock Power-on password Administrator password
	disk optical	Hard disk password     Boot sequence control     Boot without keyboard and mouse     Individual USB port disablement     Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

#### ThinkCentre M92p Tower (2992) - TopSeller

Slot x Type-model bay Processor	SATA disk 2 GB rpm		Media reader	Port	ENERGY		Ann date (mm/dd/yy)
2992-B3G 4x5 i7-3770 2992-B4G 4x5 i5-3470		,					

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	Genuine Windows® 7
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Professional 64
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache),	Ready to install applications (only some
	Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,	listed)
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	<ul> <li>Rescue and Recovery<sup>™</sup></li> </ul>
Implementation	Processor in LGA1155 socket	Password Manager
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)
Graphics	Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility
DP dongle	None	ThinkVantage Communication Clinty     ThinkVantage Power Manager
Disk	SATA 6.0Gb/s 7200 rpm	View Management Utility
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo AppShop     Lenovo AppShop
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	Lenovo Solution Center     Lenovo Mossago Center Plus
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	<ul> <li>Lenovo Message Center Plus</li> <li>Lenovo SimpleTap</li> <li>Norton™ Internet Security</li> </ul>
eSATA port	None	(30 days of virus definitions)
Media reader	Some: 29-in-1 media reader, internal USB 2.0	● Àdobe® Reader®
Chipset	Intel Q77 Express Chipset	Skype™ for Windows     Windows Live™ Essentials
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Microsoft® Office preloaded;
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	purchase a product key to activate
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Corel® Burn.Now™ (DVD±RW)
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB devices),	Corel DVD MovieFactory® (DVD±RW)
Audio	one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio	
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	280 watts, autosensing, 85% PSU	
Machine	Business black color; metal case	
	● 6.9" W X 17.4" D X 16.3" H ● 175mm W X 442mm D X 414mm H	
	• 24.2 lb (11.0 kg) in maximum configuration	
	Toolless cover removal, toolless adapter retention	
	Toolless disk, optical drive removal	Security
Bay	Bay 1: 5.25", 1.6" high, access, std optical	Security chip (see information on left)
	Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader	One lock to secure both cover and entire system to fixed object:
	Bay 4: 3.5", 1" high, no access, std disk	-Padlock loop (in rear for opt padlock)
	Bay 5: 3.5", 1" high, no access, opt disk	-Security slot (in rear for optional
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Kensington® MicroSaver® cable)
	Slot 2: half-length, full-height, PCIe 2.0 x1	Cable lock     Power on pageword
	Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Power-on password     Hard disk password
		Boot sequence control
		<ul> <li>Boot without keyboard and mouse</li> </ul>
		Serial port I/O control     Individual I/OB mant disable mant
	disk	Individual USB port disablement     Chassis intrusion switch on selected
		model(s)
		EPEAT™ Gold rating
		ENERGY STAR® 5.2-compliant
		ULE Gold
		Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified RoHS-compliant
	national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	•
	ior service dispatcit/ service apgrades available	Supports ThinkVantage Technologies

Type-model	Slot >		r Memory <sup>8</sup>	SATA disk GB rpm	2nd Disk Bay	SATA optical	Media reader	Graphics	PCIe Mini Card WLAN / BT	Chassis intrusion switch	ENERGY	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
2992-C7G	4x5	i5-3470	4GBx1	500G 7200	Bay	DVD±RW	Media	HD 2500	Intel 6205	Switch	ES52	vPro	None	Win8 Pro64	10/23/12
2992-C8G	4x5	i7-3770	4GBx1	1TB 7200	Bay	DVD±RW	Media	HD 4000	Intel 6205	Switch	ES52	vPro	None	Win8 Pro64	10/23/12
2992-D9G	4x5	i5-3470	4GBx1	500G 7200	Bay	DVD±RW	Media	HD 2500	Intel 6205	Switch	ES52	vPro	None	Win7 Pro64	10/23/12
2992-E1G	4x5	i7-3770	4GBx1	1TB 7200	Bay	DVD±RW	Media	HD 4000	Intel 6205	Switch	ES52	vPro	None	Win7 Pro64	10/23/12
2992-F4G	4x5	i5-3470	4GBx1	128G SSD	Bay	DVD±RW	Media	HD 2500	Intel 6205	Switch	ES52	vPro	None	Win7 Pro64	03/05/13

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	Some: Windows® 7 Professional 64
	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	preinstalled through downgrade
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache),	rights in Windows 8 Pro 64-bit
	Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,	Some: Windows 8 Pro 64-bit
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded applications (only some listed)
Implementation	Processor in LGA1155 socket	- Windows 7 models
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	ThinkVantage® Product Recovery
Graphics	Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory,	ThinkVantage Communication Utility
	DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display;	ThinkVantage Power Manager     Adobe® Reader®
DD denede	Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz	Corel® Burn.Now™ (DVD±RW)
DP dongle	None	Corel DVD MovieFactory® (DVD±RW)
Disk	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	- Windows 8 models
Ontinal	Some: Hard Disk Drive / SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo® Support     Lenovo Companion
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,	Lenovo Cloud Storage
Oliboald SAIA	one SATA 3.0Gb/s connector, and one eSATA connector	Norton™ Studio
eSATA port	None	AccuWeather
Media reader	29-in-1 media reader, internal USB 2.0	Evernote®     Control Provided (DVD+DW)
Chipset	Intel Q77 Express Chipset	Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer (DVD+PW)
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Cyberlink PowerProducer (DVD±RW)     All models
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	ThinkVantage System Update
Internal connector		Lenovo Solution Center     View Management Utility
	one internal DisplayPort connector	Norton Internet Security
PCIe WLAN	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2	(30 days of virus definitions)
Bluetooth	None	Microsoft® Office preloaded;
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	purchase a product key to activate
Speaker	Internal speaker for business audio	Skype™
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Modem	None Trusted Platform Madula (TDM1 0 compliant)	
Security chip	Trusted Platform Module (TPM1.2-compliant)	-
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	280 watts, autosensing, 85% PSU	Security
Machine	Business black color; metal case     GONWY174" DY163" H	Security chip (see information on left)
	● 6.9" W X 17.4" D X 16.3" H ● 175mm W X 442mm D X 414mm H	One lock to secure both cover and entire system to fixed object:
	• 24.2 lb (11.0 kg) in maximum configuration	-Padlock loop (in rear for opt padlock)
	Toolless cover removal, toolless adapter retention	-Security slot (in rear for optional
_	Toolless disk, optical drive removal	Kensington® MicroSaver® cable)
Bay	Bay 1: 5.25", 1.6" high, access, std optical	Cable lock     Dayler on password
	Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader	Power-on password     Hard disk password
	Bay 4: 3.5". 1" high no access std disk	Boot sequence control
	Bay 5: 3.5", 1" high, no access, opt disk	<ul> <li>Boot without keyboard and mouse</li> </ul>
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Serial port I/O control
	Slot 2: half-length, full-height, PCle 2.0 x1	Individual USB port disablement     Chassis intrusion switch an extented
	Slot 3: half-length, full-height, 32-bit PCI 2.3	Chassis intrusion switch on selected model(s)
	Slot 4: half-length, full-height, 32-bit PCI 2.3	EPEAT™ Gold rating
		EPEAT M Gold rating   ENERGY STAR® 5.2-compliant
	<u> </u>	ULE Gold
		Cisco EnergyWise compatible
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified
	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies

# ThinkCentre M92p Tower (2999)

					Displa						
Slot x		SATA disk 2nd Dis	k SATA	Media	Por	intrusio	n ENERGY	Intel		Win7 An	nn date
Type-model bay Processor	Memory <sup>8</sup>	GB rpm Bay	optical	reader	Graphics dong			vPro	Global	preload (mn	n/dd/yy)

2999-A1G 4x5 i5-3550 4GBx1 1600MHz 500G 7200 Bay DVD±RW None HD 2500 None Switch ES52 vPro None Pro 64 07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 1-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise	Preloaded operating system
Processor	Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Genuine Windows® 7 Professional 64
Implementation	Processor in LGA1155 socket	Ready to install applications (only some
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	- listed) - ● Rescue and Recovery™
Graphics  DP dongle	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz  None	Password Manager     Preloaded applications (only some listed)     ThinkVantage® Product Recovery
Disk Optical SATA controller Onboard SATA eSATA port Media reader	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector None None	ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility Lenovo AppShop Lenovo Solution Center Lenovo Message Center Plus Lenovo SimpleTap
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security
Front ports Rear ports Rear audio ports Internal connector  Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio None One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	(30 days of virus definitions)  • Adobe® Reader® • Skype™ for Windows • Windows Live™ Essentials • Microsoft® Office preloaded; purchase a product key to activate • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW)
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU	
Machine	Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal, toolless adapter retention Toolless disk, optical drive removal	Security  Security (see information on left)
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1 high, no access, opt disk	One lock to secure both cover and entire system to fixed object:     -Padlock loop (in rear for opt padlock)     -Security slot (in rear for optional Kensington® MicroSaver® cable)
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCI e 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  Slot 4: half-length, full-height, 32-bit PCI 2.3  Slot 4: half-length, full-height, 32-bit PCI 2.3  Slot 5: half-length, full-height, 32-bit PCI 2.3	Cable lock     Power-on password     Hard disk password     Boot sequence control     Boot without keyboard and mouse     Serial port I/O control     Individual USB port disablement     Chassis intrusion switch on selected model(s)  EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

## ThinkCentre M92p Tower (3212)

Type-model	Slot x bay		r Memory <sup>8</sup>	SATA disk 2 GB rpm			Media reader		Port		ENERGY			Win7 Ann date preload (mm/dd/yy)
3212-A3G	4x5	i5-3550	4GBx1 1600MHz	500G 7200	Bay	DVD±RW	None	HD 2500	None	None	ES52	vPro	None	Pro 64 06/05/12

Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

• 3-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache),	Preloaded operating system					
1 10000001	Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64					
Implementation	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Ready to install applications (only some					
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	- listed)					
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> <li>Preloaded applications (only some listed)</li> </ul>					
DP dongle	None	ThinkVantage® Product Recovery					
Disk	SATA 6.0Gb/s 7200 rpm	<ul> <li>ThinkVantage System Update</li> </ul>					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	<ul><li>ThinkVantage Communication Utility</li><li>ThinkVantage Power Manager</li></ul>					
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,	View Management Utility					
Official SAIA	one SATA 3.0Gb/s connector, and one eSATA connector	Lenovo AppShop					
eSATA port	None	Lenovo Solution Center     Lenovo Message Center Plus					
Media reader	None	Lenovo SimpleTap					
Chipset	Intel Q77 Express Chipset	Norton™ Internet Security     (20 days of virus definitions)					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	(30 days of virus definitions)  • Adobe® Reader®					
Rear ports	Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	<ul> <li>Skype<sup>™</sup> for Windows</li> </ul>					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for additional USB devices),	Windows Live™ Essentials     Missesset® Office and leaders					
internal connector	one internal DisplayPort connector	Microsoft® Office preloaded; purchase a product key to activate					
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	<ul> <li>Corel® Burn.Now™ (DVD±RW)</li> </ul>					
Speaker	Internal speaker for business audio	Corel DVD MovieFactory® (DVD±RW)					
IEEE 1394 Ethernet	None One gigabit ethernet port, Intel 82579, Wake on LAN®						
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)						
Modem	None						
Security chip	Trusted Platform Module (TPM1.2-compliant)						
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo						
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo						
Power supply	280 watts, autosensing, 85% PSU	-					
Machine	<ul> <li>Business black color; metal case</li> <li>6.9" W X 17.4" D X 16.3" H</li> </ul>						
	• 175mm W X 442mm D X 414mm H						
	<ul> <li>24.2 lb (11.0 kg) in maximum configuration</li> <li>Toolless cover removal, toolless adapter retention</li> </ul>	Occupito					
	Toolless disk, optical drive removal	Security  Security chip (see information on left)					
Bay	Bay 1: 5.25", 1.6" high, access, std optical	One lock to secure both cover and					
	Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader	entire system to fixed object:					
	Bay 4: 3.5", 1" high, no access, std disk	-Padlock loop (in rear for opt padlock) -Security slot (in rear for optional					
	Bay 5: 3.5", 1" high, no access, opt disk	Kensington® MicroSaver® cable)					
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1	Cable lock     Power-on password					
	Slot 3: half-length, full-height, 32-bit PCI 2.3	Hard disk password					
	Slot 4: half-length, full-height, 32-bit PCI 2.3	Boot sequence control					
		Boot without keyboard and mouse     Serial port I/O control					
	disk	<ul> <li>Individual USB port disablement</li> </ul>					
	□••□	Chassis intrusion switch on selected  model(s)					
		model(s)					
	5	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant					
		ULE Gold					
Limited Messes	2 years limited engite consists 0 cm F per Man. Fri conserve analysis and the said	Cisco EnergyWise compatible GREENGUARD® certified					
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant					
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies					

#### ThinkCentre M92p Tower (3228) - GMP

Type-model	Slot x bay Process	sor Memory <sup>8</sup>	SATA disk 2 GB rpm		SATA optical	Media reader	Port	- Chassis intrusion switch	ENERGY	Intel o	Global GMP (	(G) Win7 P) preload	Ann date (mm/dd/yy)
		O 4GBx1 1600MHz O 4GBx1 1600MHz		,									

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Desitioning	Ultimate acquisity atability and manageability for the antennia	Duclooded encycling eyetem				
Positioning Processor	Ultimate security, stability, and manageability for the enterprise  Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),	Preloaded operating system				
. 10000001	Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,	Genuine Windows® 7 Professional 64				
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology					
	Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,	Ready to install applications (only som listed)				
	integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	<ul> <li>Rescue and Recovery<sup>™</sup></li> </ul>				
Implementation	Processor in LGA1155 socket	Password Manager				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets	Preloaded applications (only some listed)				
Graphics	Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory,	ThinkVantage® Product Recovery				
	DirectX <sup>®</sup> 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz	ThinkVantage System Update     ThinkVantage Communication Utility				
DP dongle	None	<ul> <li>ThinkVantage Communication Utility</li> <li>ThinkVantage Power Manager</li> </ul>				
Disk	SATA 6.0Gb/s 7200 rpm	View Management Utility				
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	Lenovo AppShop     Lenovo Solution Contar				
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	<ul> <li>Lenovo Solution Center</li> <li>Lenovo Message Center Plus</li> </ul>				
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector	Lenovo Simple Tap				
eSATA port	None	Norton™ Internet Security				
Media reader	None	(30 days of virus definitions)  ■ Adobe® Reader®				
Chipset	Intel Q77 Express Chipset	<ul> <li>Skype™ for Windows</li> </ul>				
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	Windows Live™ Essentials     Microsoft® Office prolocated:				
Rear ports	Four USB 3.0, two USB2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort	<ul> <li>Microsoft® Office preloaded; purchase a product key to activate</li> </ul>				
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	Corel® Burn.Now™ (DVD±RW)				
Internal connector	Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),	Corel DVD MovieFactory® (DVD±RW)				
Audio	one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec					
Speaker	Internal speaker for business audio					
IĖEE 1394	None					
Ethernet	One gigabit ethernet port, Intel 82579, Wake on LAN®					
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)					
Modem Security chip	None Trusted Platform Module (TPM1.2-compliant)					
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	_				
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo					
Power supply	280 watts, autosensing, 85% PSU					
Machine	Business black color; metal case					
	• 6.9" W X 17.4" D X 16.3" H					
	<ul><li>175mm W X 442mm D X 414mm H</li><li>24.2 lb (11.0 kg) in maximum configuration</li></ul>	Security				
	Toolless cover removal	Security chip (see information on left)				
	Toolless disk, optical drive removal     Toolless adoptor retention	One lock to secure both cover and				
Bay	Toolless adapter retention Bay 1: 5.25", 1.6" high, access, std optical	entire system to fixed object: -Padlock loop (in rear for opt padlock)				
Бау	Bay 2: 5.25", 1.6" high, access, open	-Security slot (in rear for optional				
	Bay 3: 3.5", 1" high, access, opt reader	Kensington® MicroSaver® cable)				
	Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk  optical	<ul><li>Cable lock</li><li>Power-on password</li></ul>				
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)	Hard disk password				
	Slot 2: half-length, full-height, PCIe 2.0 x1	Boot sequence control     Boot without lowboard and mayor				
	Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3	Boot without keyboard and mouse     Serial port I/O control				
	disk	Individual USB port disablement				
		Chassis intrusion switch on selected				
		model(s)				
	<u> </u>	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant				
	<u> </u>	ULE Gold				
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and	GREENGUARD® certified				
<b>.</b>	national holidays. Calls received after 3 pm will require an additional next business day	RoHS-compliant				
	for service dispatch / service upgrades available	Supports ThinkVantage Technologies				

Slot x Type-model bay	Processor Memory®	SATA disk		SATA optical	Media reader	Display- Port Graphics dongle	Chassis intrusion switch	ENERGY	Intel vPro	Global (G GMP (P)	i) Preload	Ann date (mm/dd/yy)
	i5-3470 4GBx1 i5-3470 4GBx1		,			HD 2500 None HD 2500 None						

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
   Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

De ettle ette e	THE section of the Figure 1 and the section of the	Durate and a discount of the contract of the c				
Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system  Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit				
Memory	32GB max, <b>UDIMM</b> , <b>PC3-12800 1600MHz DDR3</b> , four 240-pin DIMM sockets					
Graphics  DP dongle	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;  Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz  None	Preloaded applications (only some listed) - Windows 7 models  ThinkVantage® Product Recovery ThinkVantage Communication Utility ThinkVantage Power Manager				
Disk Optical SATA controller Onboard SATA eSATA port	SATA 6.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector None	Lenovo® AppShop     Lenovo Message Center Plus     Lenovo SimpleTap     Adobe® Reader®     Windows Live™ Essentials     Corel® Burn.Now™ (DVD±RW)     Corel DVD MovieFactory® (DVD±RW)				
Media reader	None	- Windows 8 models				
Chipset	Intel Q77 Express Chipset					
Internal connector  Audio Speaker	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio	Lenovo Support     Lenovo Companion     Lenovo Cloud Storage     Norton™ Studio     AccuWeather     Evernote®     Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer (DVD±RW)				
IEEE 1394	None	- All models				
Ethernet Intel AMT Modem Security chip	One gigabit ethernet port, Intel 82579, Wake on LAN® Intel Active Management Technology 8.0 (Intel AMT 8.0) None Trusted Platform Module (TPM1.2-compliant)	ThinkVantage System Update Lenovo Solution Center View Management Utility Norton Internet Security				
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 280 watts, autosensing, 85% PSU	(30 days of virus definitions)  • Microsoft® Office preloaded; purchase a product key to activate				
Machine	Business black color; metal case 6.9" W X 17.4" D X 16.3" H 175mm W X 442mm D X 414mm H 24.2 lb (11.0 kg) in maximum configuration Toolless cover removal Toolless disk, optical drive removal Toolless adapter retention	- Skype™				
Вау	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk	Security Security chip (see information on left) One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional				
Slot	Slot 1: half-length, full-height, PCI Express 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  3 disk	Kensington® MicroSaver® cable)  Cable lock  Power-on password  Hard disk password  Boot sequence control  Boot without keyboard and mouse  Serial port I/O control  Individual USB port disablement  Chassis intrusion switch on selected model(s)				
	<b>5</b>	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant ULE Gold GREENGUARD® certified				
Limited Warranty	<b>3-years</b> , <b>limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	RoHS-compliant Supports ThinkVantage Technologies				