ThinkCentre M83 Tower 10AG001P++

Region
WE

Machine Type
10AG

TopSeller
No

Slot x Bay
3x5

Processor
i5-4590

Memory
4GBx1

Storage
500GB 7200 rpm

Optical
DVD±RW

WLAN
None

Media Reader
None

Graphics
Intel HD Graphics 4600

Additional Front USB 2.0
USB

2nd Serial Port
None

Parallel Port
None

Chassis Intrusion Switch
Switch

Keyboard
USB

Power Supply
280W ES

Internal Speaker
Speaker

ENERGY STAR 6.0
ES6.0

Global(G)
G

Preload
Win7 Pro64 DG Win 8.1

Warranty
3-year, onsiteOID

Ann Date (mm/yy)
7/8/14

Note:
Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

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ThinkCentre M83 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor

4th Generation Intel® Core™ i3 / i5 / i7 Processors or Intel Pentium® Processor

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
Pentium G3220	2 / 2	3 GHz	3 MB	DDR3-1333	Intel HD
Pentium G3240	2 / 2	3.1 GHz	3 MB	DDR3-1333	Intel HD
Core i3-4130	2 / 4	3.4 GHz	3 MB	DDR3-1600	HD 4400
Core i3-4150	2 / 4	3.5 GHz	3 MB	DDR3-1600	HD 4400
Core i5-4430	4 / 4	3 GHz / 3.2 GHz	6 MB	DDR3-1600	HD 4600
Core i5-4460	4 / 4	3.2 GHz / 3.4 GHz	6 MB	DDR3-1600	HD 4600
Core i5-4570	4 / 4	3.2 GHz / 3.6 GHz	6 MB	DDR3-1600	HD 4600
Core i5-4590	4 / 4	3.3 GHz / 3.7 GHz	6 MB	DDR3-1600	HD 4600
Core i5-4670	4 / 4	3.4 GHz / 3.8 GHz	6 MB	DDR3-1600	HD 4600
Core i7-4770	4 / 8	3.4 GHz / 3.9 GHz	8 MB	DDR3-1600	HD 4600
Core i7-4790	4 / 8	3.6 GHz / 4 GHz	8 MB	DDR3-1600	HD 4600

Memory

32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets
*System automatically clocks down for processors with 1333MHz memory controller

Disk

Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm
Some: 500GB (5400 rpm, 2.5" wide) or 1TB (7200 rpm, 3.5" wide) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

Some: DVD-ROM SATA 1.5Gb/s Drive
Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

Onboard SATA

Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)

Media reader

Optional 29-in-1 media reader, internal USB 2.0

Graphics

Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support five independent displays; *Max resolution:* 3840x2160 (DP)@60Hz [HD 4x00]; 2560x1600 (DP)@60Hz [Intel HD]; 1920x1200 (VGA)@60Hz (Reduced Blanking)
Some: **AMD Radeon HD 8570**, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; *Max resolution:* 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz
Some: **AMD Radeon™ HD 8470**, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, *Max resolution:* 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz
Some: **AMD Radeon™ HD 7450**, DirectX 11, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; *Max resolution:* 2560x1600 (DisplayPort, DVI-I)@60Hz
Some: **NVIDIA® Geforce® GT 620**, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; *Max resolution:* 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz

DP cable

None

Chipset

Intel Q85 Chipset

Front ports

Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Rear ports

Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI on optional graphic card on some models

Rear audio ports

Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

IEEE 1394

None

Audio support

High Definition (HD) Audio, Realtek® ALC662 codec /
Optional internal speaker for business audio (1 watt)

WLAN[13]

Some: 11b/g/n, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1
Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1
Some: 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi/BT 4.0, 2x2

Bluetooth™

Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®

Manageability

Intel Standard Manageability

Security chip

Trusted Platform Module, TCG 1.2-compliant

Security features

- 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)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional Chassis intrusion switch

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo USB Fingerprint Keyboard (USB connector)

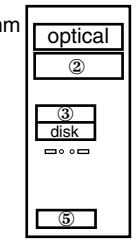
Mouse

Enhanced Optical USB Mouse, black, Lenovo logo

Mechanical

- Mini Tower (25L), business black color, metal case
- *(WxDxH)* 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm
- 24.69 lb (11.20 kg) in maximum configuration
- Toolless cover removal, adapter retention
- Toolless disk, optical drive removal

Bay 1: 5.25", 1.6" high, access, std optical
Bay 2: 5.25", 1.6" high, access, open
Bay 3: 3.5", 1" high, access, opt reader
Bay 4: 3.5", 1" high, no access, std disk
Bay 5: 3.5", 1" high, no access, opt disk
Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)



Power supply

Some: 280 watts, autosensing
Some: 280 watts, autosensing, 85% PSU

Limited warranty[3]

Some: **3-years**, **limited onsite service** / service upgrades available
Some: **3-years**, **limited onsite service, OID** (Onsite International Delivery) / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Preloaded operating system

Some: Windows® 7 Professional 64
Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- Desktop Power Manager
- View Management Utility
- Lenovo Cloud Storage by SugarSync
- Lenovo Solution Center
- Lenovo Message Center Plus
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD (DVD±RW, DVD)
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Evernote
- Intel AppUp
- Intel Small Business Advantage
- Nitro Pro

Environment

ENERGY STAR® 6.0 (Need 85% PSU and Windows OS);
EPEAT™ Gold rating (Need 85% PSU and Windows OS);
GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ULE Gold

Accessories

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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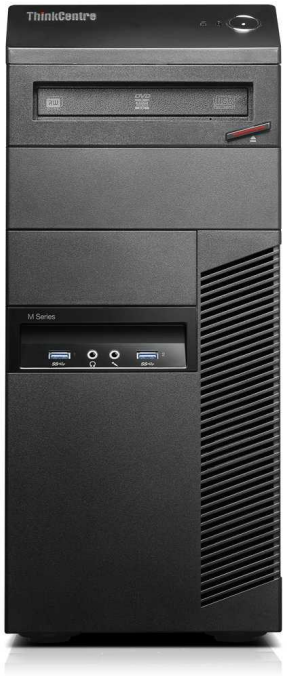
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