



## Lenovo ThinkCentre M83 Intel® Core™ i5 i5-4440S 4 GB DDR3-SDRAM 500 GB Unidad de disco duro Windows 7 Professional SFF PC Negro

**Marca :** Lenovo

**Familia de productos:**  
ThinkCentre

**Código del producto:**  
10AHA0LYLS

**Nombre del producto :** M83

Lenovo ThinkCentre M83. Frecuencia del procesador: 2.8 GHz, Familia de procesador: Intel® Core™ i5, Modelo del procesador: i5-4440S. Memoria interna: 4 GB, Tipo de memoria interna: DDR3-SDRAM, Velocidad de memoria del reloj: 1600 MHz. Capacidad total de almacenaje: 500 GB, Unidad de almacenamiento: Unidad de disco duro, Tipo de unidad óptica: DVD±RW. Modelo de gráficos en tarjeta: Intel® HD Graphics 4600. Sistema operativo instalado: Windows 7 Professional, Arquitectura del sistema operativo: 64-bit. Fuente de alimentación: 240 W. Tipo de chasis: SFF. Tipo de producto: PC



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Small Business Advantage (Intel® SBA)	✗
Processor family *	Intel® Core™ i5	Intel® Wireless Display (Intel® WiDi)	✓
Processor generation	4th gen Intel® Core™ i5	Intel 64	✓
Processor model *	i5-4440S	Enhanced Intel SpeedStep Technology	✓
Processor cores	4	Embedded options available	✗
Processor threads	4	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3.3 GHz	Intel® Insider™	✓
Processor frequency *	2.8 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	LGA 1150 (Socket H3)	Intel Clear Video Technology	✗
Processor cache	6 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel TSX-NI	✗
System bus rate	5 GT/s	Idle States	✓
Bus type	QPI	Thermal Monitoring Technologies	✓
FSB Parity	✗	Intel Stable Image Platform Program (SIPP)	✗
Processor lithography	22 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes	64-bit	Intel® Secure Key	✓
Processor series	Intel Core i5-4400 Desktop series	Intel® OS Guard	✓
Processor codename	Haswell	Intel Trusted Execution Technology	✗
Thermal Design Power (TDP)	65 W	Execute Disable Bit	✓
Tcase	71.35 °C		
PCI Express slots version	3.0		
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
Number of processors installed	1		
Number of QPI links	1		
Stepping	C0		

Processor		Processor special features	
Maximum internal memory supported by processor	32 GB	Intel FDI Technology	✓
Memory types supported by processor	DDR3-SDRAM	Intel Flex Memory Access	✗
Memory clock speeds supported by processor	1333,1600 MHz	Intel Fast Memory Access	✗
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® Smart Cache	✓
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum internal memory *	32 GB	Processor package size	37.5 x 37.5 mm
Internal memory type	DDR3-SDRAM	Supported instruction sets	AVX 2.0
Memory slots	4x DIMM	Scalability	15
Memory clock speed	1600 MHz	CPU configuration (max)	1
Memory channels	Dual-channel	Graphics & IMC lithography	22 nm
Storage		Thermal solution specification	PCG 2013C
Total storage capacity *	500 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	HDD	Intel Identity Protection Technology version	1.00
Optical drive type *	DVD±RW	Intel Stable Image Platform Program (SIPP) version	0.00
Number of storage drives installed	1	Intel Secure Key Technology version	1.00
Number of HDDs installed	1	Intel Virtualization Technology (VT-x)	✓
HDD capacity	500 GB	Intel Small Business Advantage (SBA) version	1.00
HDD interface	SATA III	Intel TSX-NI version	0.00
HDD speed	7200 RPM	Intel Dual Display Capable Technology	✗
Graphics		Intel Rapid Storage Technology	✗
On-board graphics card *	✓	Processor ARK ID	75040
Discrete graphics card model *	Not available	Intel® Smart Response Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel® Rapid Start Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel® Turbo Boost Technology	2.0
On-board graphics card base frequency	350 MHz	Intel Smart Connect Technology	✗
On-board graphics card dynamic frequency (max)	1100 MHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Maximum on-board graphics card memory	1.74 GB	Intel® Quick Sync Video Technology	✓
Number of displays supported (on-board graphics)	3	Intel® My WiFi Technology (Intel® MWT)	✓
On-board graphics card DirectX version	11.1	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card ID	0x412	Intel® Anti-Theft Technology (Intel® AT)	✓
Network		Conflict-Free processor	✓
Ethernet LAN *	✓	Power	
Ethernet LAN data rates	10,100,1000 Mbit/s	Power supply *	240 W
Cabling technology	10/100/1000Base-T(X)	Certificates	
Ports & interfaces		Compliance certificates	RoHS
USB 2.0 ports quantity *	4	Certification	ULE Gold, GREENGUARD
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Sustainability	
VGA (D-Sub) ports quantity	1	Sustainability certificates	ENERGY STAR
DVI port	✗	Weight & dimensions	
DisplayPorts quantity	1	Width *	102 mm
Ethernet LAN (RJ-45) ports	1	Depth *	375 mm
Microphone in	✓	Height *	338 mm
Headphone outputs	2	Weight *	7.8 kg
Line-out	✓	Packaging content	
Line-in	✓	Mouse included	✗
Design			
Chassis type *	SFF		

Design		Packaging content	
Water cooling system	✗	Keyboard included	✗
Cable lock slot	✓	Cables included	AC
Product colour *	Black	Display	
Performance		Display included *	✗
Motherboard chipset	Intel® Q85	Other features	
Product type *	PC	Optical drives quantity	1
Software		Intel segment tagging	Enterprise, Professional
Operating system installed *	Windows 7 Professional		
Operating system architecture	64-bit		

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