



## Lenovo ThinkCentre M83 SFF Pro Intel® Core™ i5 i5-4440 8 GB DDR3-SDRAM 128 GB SSD Windows 8.1 Pro PC Nero

**Marchio :** Lenovo

**Famiglia del prodotto:** ThinkCentre

**Codice prodotto:** 10AJA00AML

**Nome del prodotto :** M83 SFF Pro

Lenovo ThinkCentre M83 SFF Pro. Frequenza del processore: 3,1 GHz, Famiglia processore: Intel® Core™ i5, Modello del processore: i5-4440. RAM installata: 8 GB, Tipo di RAM: DDR3-SDRAM, Velocità memoria: 1600 MHz. Capacità totale di archiviazione: 128 GB, Supporto di memoria: SSD, Tipo drive ottico: DVD±RW. Modello scheda grafica integrata: Intel® HD Graphics 4600. Sistema operativo incluso: Windows 8.1 Pro, Architettura sistema operativo: 64-bit. Alimentazione: 240 W. Tipo di case: SFF. Tipo di prodotto: PC



Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i5	<b>Processor special features</b>	
Processor generation	4th gen Intel® Core™ i5	Intel® Small Business Advantage (Intel® SBA)	✗
Processor model *	i5-4440	Intel® Wireless Display (Intel® WiDi)	✓
Processor cores	4	Intel 64	✓
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.3 GHz	Embedded options available	✗
Processor frequency *	3.1 GHz	Intel® InTru™ 3D Technology	✓
Processor socket	LGA 1150 (Socket H3)	Intel® Insider™	✓
Processor cache	6 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	Smart Cache	Intel Clear Video Technology	✗
System bus rate	5 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	DMI2	Intel TSX-NI	✗
FSB Parity	✗	Idle States	✓
Processor lithography	22 nm	Thermal Monitoring Technologies	✓
Processor operating modes	64-bit	Intel Stable Image Platform Program (SIPP)	✗
Processor series	Intel Core i5-4400 Desktop series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor codename	Haswell	Intel® Secure Key	✓
Thermal Design Power (TDP)	84 W	Intel® OS Guard	✓
Tcase	72.72 °C	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Execute Disable Bit	✓
Maximum number of PCI Express lanes	16	Intel FDI Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Flex Memory Access	✗
Number of processors installed	1		
Number of QPI links	1		
Stepping	C0		
Maximum internal memory supported by processor	32 GB		
Memory types supported by processor	DDR3-SDRAM		

Processor		Processor special features	
Memory clock speeds supported by processor	1333,1600 MHz	Intel Fast Memory Access	✗
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel Demand Based Switching	✗
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory *	8 GB	Processor package size	37.5 x 37.5 mm
Maximum internal memory *	32 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Internal memory type	DDR3-SDRAM	Scalability	15
Memory layout (slots x size)	1 x 8 GB	CPU configuration (max)	1
Memory slots	4x DIMM	Graphics & IMC lithography	22 nm
Memory clock speed	1600 MHz	Thermal solution specification	PCG 2013D
Memory channels	Dual-channel	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage		Intel Identity Protection Technology version	1.00
Total storage capacity *	128 GB	Intel Stable Image Platform Program (SIPP) version	0.00
Storage media *	SSD	Intel Secure Key Technology version	1.00
Optical drive type *	DVD±RW	Intel Virtualization Technology (VT-x)	✓
Number of SSDs installed	1	Intel Small Business Advantage (SBA) version	1.00
SSD capacity	128 GB	Intel TSX-NI version	0.00
Graphics		Intel Dual Display Capable Technology	✗
On-board graphics card *	✓	Intel Rapid Storage Technology	✗
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	75038
On-board graphics card model *	Intel® HD Graphics 4600	Intel® Smart Response Technology	✗
On-board graphics card base frequency	350 MHz	Intel® Rapid Start Technology	✗
On-board graphics card dynamic frequency (max)	1100 MHz	Intel® Turbo Boost Technology	2.0
Maximum on-board graphics card memory	1.74 GB	Intel Smart Connect Technology	✗
Number of displays supported (on-board graphics)	3	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
On-board graphics card DirectX version	11.1	Intel® Quick Sync Video Technology	✓
On-board graphics card ID	0x412	Intel® My WiFi Technology (Intel® MWT)	✓
Network		Intel® Identity Protection Technology (Intel® IPT)	✓
Ethernet LAN *	✓	Intel® Anti-Theft Technology (Intel® AT)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Conflict-Free processor	✓
Cabling technology	10/100/1000Base-T(X)	Power	
Wake-on-LAN ready	✓	Power supply *	240 W
Ports & interfaces		Power supply input voltage	100 - 240 V
USB 2.0 ports quantity *	4	Power supply input frequency	50 - 60 Hz
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Certificates	
VGA (D-Sub) ports quantity	1	Compliance certificates	RoHS
DVI port	✗	Sustainability	
DisplayPorts quantity	2	Sustainability certificates	EPEAT Gold, ENERGY STAR
Ethernet LAN (RJ-45) ports	1	Weight & dimensions	
Microphone in	✓	Width *	338 mm
Headphone outputs	1	Depth *	375 mm
Line-out	✓	Height *	102 mm
Line-in	✓	Weight *	7.8 kg
Serial ports quantity	1	Packaging content	
Expansion slots		Mouse included	✓
PCI Express x1 (Gen 2.x) slots	1	Keyboard included	✓
PCI Express x16 (Gen 2.x) slots	1		
PCI Express x16 (Gen 3.x) slots	1		
Design			
Chassis type *	SFF		

Design		Display	
Water cooling system	✗	Display included *	✗
Number of 3.5" bays	2	Other features	
Number of 5.25" bays	1	Optical drives quantity	1
Cable lock slot	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Product colour *	Black	Intel segment tagging	Enterprise, Professional
Performance			
Motherboard chipset	Intel® Q85		
Audio system	HD		
Product type *	PC		
Software			
Operating system installed *	Windows 8.1 Pro		

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