

ASUS M M51AD-B08 PC Intel® Core™ i7 i7-4790S 12 GB DDR3-SDRAM 2 TB HDD NVIDIA® GeForce® GTX 750 Windows 8.1 Desktop Black

Brand : ASUS

Product family: M

Product code: M51AD-B08

Product name : M51AD-B08

Intel Core i7-4790S (8M Cache, 3.2GHz), Intel HD Graphics 4600 + NVIDIA GeForce GTX 750, 12GB DDR3, 2TB HDD, Gigabit Ethernet, Windows 8.1

ASUS M M51AD-B08. Processor frequency: 3.2 GHz, Processor family: Intel® Core™ i7, Processor model: i7-4790S. Internal memory: 12 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 2 TB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 4600, Discrete graphics card model: NVIDIA® GeForce® GTX 750. Operating system installed: Windows 8.1. Chassis type: Desktop. Product type: PC. Product colour: Black



Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	Windows 8.1
Processor family *	Intel® Core™ i7	Processor special features	
Processor generation	4th gen Intel® Core™ i7	Intel® Wireless Display (Intel® WiDi)	✓
Processor model *	i7-4790S	Intel 64	✓
Processor cores	4	Enhanced Intel SpeedStep Technology	✓
Processor threads	8	Embedded options available	✓
Processor boost frequency	4 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	3.2 GHz	Intel® Insider™	✓
Processor socket	LGA 1150 (Socket H3)	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache	8 MB	Intel Clear Video Technology	✗
Processor cache type	Smart Cache	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	5 GT/s	Intel TSX-NI	✗
Bus type	DMI	Idle States	✓
FSB Parity	✗	Thermal Monitoring Technologies	✓
Processor lithography	22 nm	Intel Stable Image Platform Program (SIPP)	✓
Processor operating modes	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor series	Intel Core i7-4700 Desktop series	Intel® Secure Key	✓
Processor codename	Haswell	Intel® OS Guard	✓
Thermal Design Power (TDP)	65 W	Intel Trusted Execution Technology	✓
Tcase	71.35 °C	Execute Disable Bit	✓
PCI Express slots version	3.0	Intel FDI Technology	✓
Maximum number of PCI Express lanes	16	Intel Flex Memory Access	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4		
Number of processors installed	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® Smart Cache	✓
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	12 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Maximum internal memory *	16 GB	Processor package size	37.5 x 37.5 mm
Internal memory type	DDR3-SDRAM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory clock speed	1600 MHz	Processor code	SR1QM
Memory channels	Dual-channel	Scalability	1S
Storage		CPU configuration (max)	1
Total storage capacity *	2 TB	Graphics & IMC lithography	22 nm
Storage media *	HDD	Thermal solution specification	PCG 2013C
Optical drive type *	DVD Super Multi	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD interface	SATA III	Intel Identity Protection Technology version	1.00
HDD speed	7200 RPM	Intel Stable Image Platform Program (SIPP) version	1.00
Card reader integrated	✓	Intel Secure Key Technology version	1.00
Compatible memory cards	CF, Memory Stick (MS), MicroDrive, microSD (TransFlash), MiniMMC, MiniSD, MMC, MS Duo, MS Micro (M2), MS PRO, MS PRO Duo, RS-MMC, SD, SDHC	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel Small Business Advantage (SBA) version	1.00
On-board graphics card *	✓	Intel TSX-NI version	0.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 750	Intel Dual Display Capable Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel Rapid Storage Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Processor ARK ID	80808
On-board graphics card base frequency	350 MHz	Intel® Turbo Boost Technology	2.0
On-board graphics card dynamic frequency (max)	1200 MHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Maximum on-board graphics card memory	1.7 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 *		Weight & dimensions	
Ethernet LAN data rates		Width *	175 mm
Ports & interfaces		Depth *	400 mm
USB 2.0 ports quantity *	5	Height *	420 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight *	9.2 kg
VGA (D-Sub) ports quantity	1	Package width	242 mm
DVI port	✗	Package depth	550 mm
HDMI ports quantity *	1	Package height	510 mm
Ethernet LAN (RJ-45) ports	1	Packaging content	
Microphone in	✓	Mouse included	✓
Headphone outputs	1	Keyboard included	✓
Expansion slots		Manual	✓
PCI Express x1 slots	1	Other features	
PCI Express x16 slots	1	Optical drives quantity	1
Mini PCI Express slots	1	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Design			
Chassis type *	Desktop		
Product colour *	Black		

Performance

Motherboard chipset	Intel® H81
Product type *	PC

Catalog Object Cloud



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