



## MSI Gaming GT683-484CS laptop Intel® Core™ i5 i5-2430M 39,6 cm (15.6") Full HD 6 GB DDR3-SDRAM 500 GB NVIDIA® GeForce® GTX 560M Windows 7 Home Premium Black

**Brand :** MSI

**Product family:** Gaming

**Product code:** GT683-484CS

**Product name :** GT683-484CS



GT683-484CS - Intel Core i5-2430M (3M Cache, 2.40 GHz), 15.6" Full HD Glare (1920x1080), 6GB DDR3, 500GB SATA HDD 7200rpm, Nvidia GeForce GTX 560M 1.5GB GDDR5, DVD Super Multi, Gigabit Ethernet, WLAN 802.11 b/g/n, Bluetooth 3.0+HS, 720p HD video (2.0) Webcam, Windows 7 Home Premium, Bag, Mouse

MSI Gaming GT683-484CS. Processor family: Intel® Core™ i5, Processor model: i5-2430M, Processor frequency: 2,4 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 6 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 3000, Discrete graphics card model: NVIDIA® GeForce® GTX 560M. Operating system installed: Windows 7 Home Premium. Product colour: Black. Weight: 3,5 kg

Design		Ports & interfaces	
Product colour *	Black	SmartCard slot	✗
Display		TV-out	✗
Display diagonal *	39,6 cm (15.6")	Performance	
Display resolution *	1920 x 1080 pixels	Motherboard chipset	Intel HM67 Express
HD type	Full HD	Keyboard	
Native aspect ratio	16:9	Pointing device	Touchpad
Display surface	Gloss	Full-size keyboard	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i5	Operating system installed *	Windows 7 Home Premium
Processor generation	2nd gen Intel® Core™ i5	Processor special features	
Processor model *	i5-2430M	Intel® Wireless Display (Intel® WiDi)	✓
Processor cores	2	Intel® My WiFi Technology (Intel® MWT)	✓
Processor threads	4	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor boost frequency	3 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor frequency *	2,4 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	5 GT/s	Intel® Turbo Boost Technology	2.0
Processor cache	3 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	Socket 988	Intel Clear Video Technology	✗
Processor lithography	32 nm	Intel® InTru™ 3D Technology	✓
Processor operating modes	64-bit	Intel® Insider™	✓
Processor series	Intel Core i5-2400 Mobile Series	Intel® Quick Sync Video Technology	✓
Processor codename	Sandy Bridge	Intel Flex Memory Access	✓
Bus type	DMI	Intel® Smart Cache	✓
FSB Parity	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Stepping	J1		
Thermal Design Power (TDP)	35 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
CPU multiplier (bus/core ratio)	24		

Processor		Processor special features	
ECC supported by processor	✗	Intel Trusted Execution Technology	✗
Memory		Intel Enhanced Halt State	✓
Internal memory *	6 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR3-SDRAM	Intel Demand Based Switching	✗
Memory clock speed	1333 MHz	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory slots	4x SO-DIMM	Intel 64	✓
Maximum internal memory *	16 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	500 GB	Thermal Monitoring Technologies	✓
HDD interface	SATA	Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
HDD speed	7200 RPM	Supported instruction sets	AVX
Optical drive type *	DVD Super Multi	Processor code	SR04W
Card reader integrated	✓	CPU configuration (max)	1
Compatible memory cards	Memory Stick (MS), MMC, SD, SDXC, xD	Embedded options available	✗
Graphics		Graphics & IMC lithography	32 nm
Discrete graphics card model *	NVIDIA® GeForce® GTX 560M	Intel Virtualization Technology for Directed I/O (VT-d)	✗
On-board graphics card *	✓	Intel Identity Protection Technology version	1,00
Discrete graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✓
On-board graphics card model *	Intel® HD Graphics 3000	Intel FDI Technology	✓
On-board graphics card base frequency	650 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1200 MHz	Intel Fast Memory Access	✓
On-board graphics card ID	0x116	Processor ARK ID	53450
Audio		Conflict-Free processor	✗
Audio system	THX TruStudio Pro	Integrated 4G WiMAX	✓
Number of built-in speakers	2	Battery	
Speakers manufacturer	Dynaudio	Number of battery cells	9
Built-in subwoofer	✓	Power	
Network		AC adapter power	150 W
Wi-Fi	✓	DC-in jack	✓
Networking features	Gigabit Ethernet, WLAN	Security	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Cable lock slot	✗
Ethernet LAN	✓	Weight & dimensions	
Bluetooth	✓	Width	396 mm
Bluetooth version	3.0+HS	Depth	265 mm
Cabling technology	10/100/1000Base-T(X)	Height (front)	3,5 cm
Ports & interfaces		Height (rear)	4,6 cm
USB 2.0 ports quantity *	2	Weight *	3,5 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Packaging content	
eSATA ports quantity	1	AC adapter included *	✓
Ethernet LAN (RJ-45) ports	1	Other features	
HDMI ports quantity *	1	Infrared data port	✗
DVI port	✗	Graphics card family	NVIDIA
VGA (D-Sub) ports quantity	1	Type	PC
Headphone outputs	1		
S/PDIF out port	✗		
Microphone in	✓		
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		



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