

## ASUS CG Essentio CG8250-ITCH04A Intel® Core™ i7 i7-2600 6 GB DDR3-SDRAM 1 TB NVIDIA® GeForce® GTX 550 Ti Windows 7 Home Premium Desktop PC Black

**Brand :** ASUS

**Product family:** CG


**Product code:** CG8250-ITCH04A

**Product name :** Essentio CG8250-ITCH04A

Intel Core i7-2600 (8M Cache, 3.40 GHz), 6GB DDR3, 1TB HDD, Nvidia GeForce GTX550Ti 1GB, Blu-Ray DVD Combo, Gigabit Ethernet, 802.11b/g/n, USB 3.0, 400W, 13kg, Windows 7 Home Premium 64, Black ASUS CG Essentio CG8250-ITCH04A. Processor frequency: 3.4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-2600. Internal memory: 6 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1333 MHz. Total storage capacity: 1 TB, Optical drive type: Blu-Ray DVD Combo. On-board graphics card model: Intel® HD Graphics 2000, Discrete graphics card model: NVIDIA® GeForce® GTX 550 Ti. Operating system installed: Windows 7 Home Premium, Operating system architecture: 64-bit. Power supply: 400 W. Chassis type: Desktop. Product type: PC



Processor		Design	
Processor manufacturer *	Intel	Chassis type *	Desktop
Processor family *	Intel® Core™ i7	Product colour *	Black
Processor generation	2nd gen Intel® Core™ i7	<b>Performance</b>	
Processor model *	i7-2600	Motherboard chipset	Intel® H67
Processor cores	4	Audio system	HD
Processor threads	8	Audio output channels	7.1 channels
Processor boost frequency	3.8 GHz	Product type *	PC
Processor frequency *	3.4 GHz	<b>Software</b>	
Processor socket	LGA 1155 (Socket H2)	Operating system installed *	Windows 7 Home Premium
Processor cache	8 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Compatible operating systems	Windows 7 Home Premium
System bus rate	5 GT/s	<b>Processor special features</b>	
Bus type	DMI	Intel® Wireless Display (Intel® WiDi)	✗
FSB Parity	✗	Intel 64	✓
Processor lithography	32 nm	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Embedded options available	✓
Processor series	Intel Core i7-2600 Desktop Series	Intel® InTru™ 3D Technology	✓
Processor codename	Sandy Bridge	Intel® Insider™	✓
Thermal Design Power (TDP)	95 W	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Tcase	72.6 °C	Intel Clear Video Technology	✗
PCI Express slots version	2.0	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum number of PCI Express lanes	16	Idle States	✓
Number of processors installed	1	Thermal Monitoring Technologies	✓
Stepping	D2	Intel® AES New Instructions (Intel® AES-NI)	✓
CPU multiplier (bus/core ratio)	34		
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	1066,1333 MHz	Intel Trusted Execution Technology	✓
Memory bandwidth supported by processor (max)	21 GB/s	Execute Disable Bit	✓
ECC supported by processor	✗	Intel FDI Technology	✓
Memory		Intel Flex Memory Access	✓
Internal memory *	6 GB	Intel Fast Memory Access	✓
Maximum internal memory *	32 GB	Intel Enhanced Halt State	✓
Internal memory type	DDR3-SDRAM	Intel Demand Based Switching	✗
Memory slots	4x DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1333 MHz	Processor package size	37.5 x 37.5 mm
Memory channels	Dual-channel	Supported instruction sets	AVX
Storage		Processor code	SR00B
Total storage capacity *	1 TB	CPU configuration (max)	1
Optical drive type *	Blu-Ray DVD Combo	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of HDDs installed	1	Intel Identity Protection Technology version	1.00
HDD capacity	1 TB	Intel Virtualization Technology (VT-x)	✓
HDD interface	SATA III	Intel Dual Display Capable Technology	✓
Card reader integrated	✓	Intel Rapid Storage Technology	✗
Graphics		Processor ARK ID	52213
On-board graphics card *	✓	Intel® Turbo Boost Technology	2.0
Discrete graphics card model *	NVIDIA® GeForce® GTX 550 Ti	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Discrete graphics card memory	1.02 TB	Intel® Quick Sync Video Technology	✓
Discrete graphics memory type	GDDR5	Intel® My WiFi Technology (Intel® MWT)	✗
On-board graphics card family	Intel® HD Graphics	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card model *	Intel® HD Graphics 2000	Intel® Anti-Theft Technology (Intel® AT)	✗
On-board graphics card base frequency	850 MHz	Conflict-Free processor	✗
On-board graphics card dynamic frequency (max)	1350 MHz	Power	
Number of displays supported (on-board graphics)	2	Power supply *	400 W
On-board graphics card ID	0x102	Weight & dimensions	
Network		Width *	206 mm
Ethernet LAN *	✓	Depth *	460 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height *	530 mm
Cabling technology	10/100/1000Base-T(X)	Weight *	13 kg
Wi-Fi *	✓	Packaging content	
Top Wi-Fi standard	Wi-Fi 4 (802.11n)	Display included *	✗
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Features	
Ports & interfaces		Images Type Map	
USB 2.0 ports quantity *	8	Other features	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Dimensions (WxDxH)	206 x 460 x 530 mm
VGA (D-Sub) ports quantity	1	Mac compatibility	✗
DVI port	✓	Maximum number of SMP processors	1
HDMI ports quantity *	1	Networking features	Gigabit Ethernet
PS/2 ports quantity	1	Platform	PC
Ethernet LAN (RJ-45) ports	1	Compliance industry standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Microphone in	✓	Graphics card family	Intel, NVIDIA
Headphone outputs	1	Ethernet interface type	Gigabit Ethernet
Line-out	✓	Copper ethernet cabling technology	1000BASE-T, 1000BASE-TX, 100BASE-T, 100BASE-TX, 10BASE-T
Line-in	✓	Wireless technology	Wi-Fi
S/PDIF out port	✓	Expansion slots	
PCI Express x16 slots	2		
PCI slots	2		

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