ASUS CG CG8270-FR013O PC Intel® Core™ i7 i7-3770 8 GB DDR3-SDRAM 1.06 TB Windows 7 Home Premium Black

Brand : ASUS   **Product family:** CG   **Article code:** CG8270-FR013O

Product name : CG8270-FR013O

ASUS CG CG8270-FR013O. Processor frequency: 3.4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-3770. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1.06 TB, Card reader integrated, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 7 Home Premium, Operating system architecture: 64-bit. Product type: PC. Weight: 23.8 lbs (10.8 kg). Product color: Black

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	3rd gen Intel® Core™ i7
Processor model *	i7-3770
Processor cores	4
Processor threads	8
Processor boost frequency	3.9 GHz
Processor frequency *	3.4 GHz
Processor socket	LGA 1155 (Socket H2)
Processor cache	8 MB
Processor cache type	Smart Cache
System bus rate	5 GT/s
Bus type	DMI
FSB Parity	✗
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-3700 Desktop series
Processor codename	Ivy Bridge
Thermal Design Power (TDP)	77 W
Tcase	67.4 °C
Tjunction	105 °C
PCI Express slots version	3.0
PCI Express configurations	1x8, 1x16, 2x4, 2x8
Number of processors installed	1
Stepping	E1
CPU multiplier (bus/core ratio)	34
Maximum internal memory supported by processor	32 GB

Software

Operating system architecture	64-bit
Operating system installed *	Windows 7 Home Premium

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✔
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✗
Idle States	✔
Thermal Monitoring Technologies	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Secure Key	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel FDI Technology	✔
Intel Flex Memory Access	✔
Intel Fast Memory Access	✔
Intel Enhanced Halt State	✔

Processor

Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1333,1600 MHz
Memory bandwidth supported by processor (max)	25.6 GB/s
ECC supported by processor	✗

Memory

Internal memory *	8 GB
Internal memory type	DDR3-SDRAM
Memory channels	Dual-channel

Storage

Total storage capacity *	1.06 TB
Optical drive type *	DVD Super Multi
Number of HDDs installed	1
HDD capacity	1 TB
Number of SSDs installed	1
SSD capacity	64 GB
Card reader integrated	✔
Compatible memory cards	CF, Memory Stick (MS), MicroDrive, MicroSD (TransFlash), miniSD, MMC, MS Duo, MS PRO, MS PRO Duo, SD, SDHC

Graphics

On-board graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4000
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Number of displays supported (on-board graphics)	3
On-board graphics card ID	0x162

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)

Ports & interfaces

USB 2.0 ports quantity *	6
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
VGA (D-Sub) ports quantity	1
DVI port	✔
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1

Design

Product color *	Black

Performance

Motherboard chipset	Intel® H77 Express
Audio output channels	7.1 channels
Product type *	PC

Processor special features

Intel Demand Based Switching	✗
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX, SSE4.1, SSE4.2
CPU configuration (max)	1
Graphics & IMC lithography	22 nm
Thermal solution specification	PCG 2011D
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel TSX-NI version	0.00
Intel Dual Display Capable Technology	✗
Intel Rapid Storage Technology	✗
Processor ARK ID	65719
Intel® Turbo Boost Technology	2.0
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Quick Sync Video Technology	✔
Intel® My WiFi Technology (Intel® MWT)	✗
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Conflict-Free processor	✔

Weight & dimensions

Width *	7.87" (200 mm)
Depth *	18.1" (461 mm)
Height *	21" (534 mm)
Weight *	23.8 lbs (10.8 kg)

Display

Display included *	✗

Other features

Optical drives quantity	1
Maximum number of SMP processors	1
Networking features	Gigabit Ethernet
Graphics card family	Intel

Catalog Object Cloud