SAMSUNG

Samsung 7 NP700G7C Intel® Core™ i7 i7-3610QM Laptop 43,9 cm (17.3") Full HD 16 GB DDR3-SDRAM 1,5 TB HDD NVIDIA® GeForce® GTX 675M Windows 7 Home Premium Black

Brand : Samsung   **Product family:** 7   **Product code:** NP700G7C-S01

Product name : NP700G7C

Intel Core i7-3610QM (6M Cache, 2.30 GHz), 16GB DDR3, 1.5TB HDD, 17.3" Full HD 1920 x 1080, NVIDIA GeForce GTX 675M 2GB, Blu-Ray ROM, Gigabit Ethernet, 802.11 a/b/g/n, Bluetooth 4.0, USB 3.0, 3810g, Black, Windows 7 Home Premium
Samsung 7 NP700G7C. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-3610QM, Processor frequency: 2,3 GHz. Display diagonal: 43,9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1,5 TB, Storage media: HDD, Optical drive type: Blu-Ray ROM. Operating system installed: Windows 7 Home Premium. Product colour: Black

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell

Display

Display diagonal *	43,9 cm (17.3")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9
Display brightness	400 cd/m²

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	3rd gen Intel® Core™ i7
Processor model *	i7-3610QM
Processor cores	4
Processor threads	8
Processor boost frequency	3,3 GHz
Processor frequency *	2,3 GHz
System bus rate	5 GT/s
Processor cache	6 MB
Processor cache type	Smart Cache
Processor socket	Socket G2
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-3600 Mobile series
Processor codename	Ivy Bridge
Bus type	DMI
FSB Parity	✗
Thermal Design Power (TDP)	45 W
Tjunction	105 C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0

Ports & interfaces

CardBus PCMCIA slot type	✗
SmartCard slot	✗
Headphone connectivity	3.5 mm
Microphone connectivity	3.5 mm

Performance

Motherboard chipset	Intel HM76 Express

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Full-size keyboard	✔

Software

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

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔

Processor

PCI Express configurations	1x16, 2x8
CPU multiplier (bus/core ratio)	23
ECC supported by processor	✘

Memory

Internal memory *	16 GB
Internal memory type	DDR3-SDRAM
Memory slots	4x SO-DIMM

Storage

Total storage capacity *	1,5 TB
Storage media *	HDD
Number of hard drives installed	2
Hard drive capacity	750 GB
Hard drive interface	SATA II
Hard drive speed	7200 RPM
Optical drive type *	Blu-Ray ROM
Card reader integrated	✔
Compatible memory cards	Memory Stick (MS), MMC, MMC+, MS PRO, SD, SDHC, xD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 675M
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR5
On-board graphics card *	✔
Discrete 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)	1100 MHz
On-board graphics card ID	0x166
Number of discrete graphics cards	1

Audio

Audio system	HD
Built-in speaker(s)	✔
Number of built-in speakers	2
Speaker power	2 W
Built-in subwoofer	✔
Built-in microphone	✔

Camera

Front camera resolution (numeric)	2 MP

Network

Wi-Fi	✔
Networking features	Gigabit Ethernet
Wi-Fi standards	802.11a, 802.11b, 802.11g
Wi-Fi data rate (max)	300 Mbit/s
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0
Cabling technology	10/100/1000Base-T(X)

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1

Processor special features

Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 37.5 (rPGA988B)
Supported instruction sets	AVX
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	22 nm
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 Dual Display Capable Technology	✔
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✔
Processor ARK ID	64899
Conflict-Free processor	✔
Integrated 4G WiMAX	✔

Battery

Number of battery cells	8
Battery capacity *	89 Wh

Power

AC adapter power	200 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
DC-in jack	✔

Security

Cable lock slot	✔
Password protection type	BIOS, HDD
HDD recovery	✔

Weight & dimensions

Width	409,8 mm
Depth	284,8 mm
Height (front)	3,29 cm
Height (rear)	4,98 cm
Weight *	3,81 kg

Packaging content

AC adapter included *	✔

Ports & interfaces

DisplayPorts quantity	1
DVI port	✗
VGA (D-Sub) ports quantity	1
Headphone outputs	1
S/PDIF out port	✗
Microphone in	✔
ExpressCard slot	✗

Packaging content

Manual	✔
Quick start guide	✔

Other features

Infrared data port	✗
Graphics card family	Intel, NVIDIA
Display	LCD
Power supply type	AC/DC
Ethernet interface type	Fast Ethernet, Gigabit Ethernet

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