

Samsung 3 NP300E5C Intel® Core™ i5 i5-2410M Laptop 39.6 cm (15.6") HD 4 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 620M Windows 8 Black

Brand : Samsung

Product family: 3

Product code: NP300E5C-S09DE

Product name : NP300E5C

Samsung 3 NP300E5C. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor: i5-2410M, Processor frequency: 2.3 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive: DVD±RW. Operating system installed: Windows 8. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	Headphone connectivity	3.5 mm
Product colour *	Black	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Display		Numeric keypad *	✓
Display diagonal *	39.6 cm (15.6")	Full-size keyboard	✓
Display resolution *	1366 x 768 pixels	Windows keys	✓
Touchscreen *	✗	Keyboard	QWERTZ
HD type	HD	Software	
Display colors	16.78 million colours	Operating system architecture	64-bit
LED backlight	✓	Operating system installed *	Windows 8
Native aspect ratio	16:9	Processor special features	
Display surface	Matt	Intel Wireless Display (WiDi) Technology	✓
Display brightness	220 cd/m²	Intel My WiFi Technology	✓
Processor		Intel Anti-Theft Technology	✓
Processor manufacturer *	Intel	Intel Identity Protection Technology	✓
Processor family *	Intel® Core™ i5	Intel Hyper-Threading Technology	✓
Processor generation	2nd gen Intel® Core™ i5	Intel Turbo Boost Technology	2.0
Processor *	i5-2410M	Intel® Small Business Advantage (Intel® SBA)	✗
Processor number of cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel Clear Video HD Technology	✓
Processor boost frequency	2.9 GHz	Intel Clear Video Technology	✗
Processor frequency *	2.3 GHz	Intel® InTru™ 3D Technology	✓
System bus data transfer rate	5 GT/s	Intel® Insider™	✗
Processor cache	3 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor socket	BGA 1023	Intel® Smart Cache	✓
Processor lithography	32 nm	Intel AES New Instructions	✗
Processor operating modes	64-bit	Intel Trusted Execution Technology	✗
Processor series	Intel Core i5-2400 Mobile Series		
Processor codename	Sandy Bridge		
Bus type	DMI		
FSB Parity	✗		
Stepping	J1		

Processor		Processor special features	
Thermal Design Power (TDP)	35 W	Intel Enhanced Halt State	✓
Tjunction	100 °C	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum number of PCI Express lanes	16	Intel Demand Based Switching	✗
PCI Express slots version	2.0	Intel Clear Video Technology for MID	✗
PCI Express configurations	1x8, 1x16, 2x4, 2x8	Intel 64	✓
CPU multiplier (bus/core ratio)	23	Execute Disable Bit	✓
ECC supported by processor	✗	Idle States	✓
Memory		Thermal Monitoring Technologies	✓
Internal memory *	4 GB	Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
Internal memory type	DDR3-SDRAM	Supported instruction sets	AVX
Memory clock speed	1333 MHz	Embedded options available	✗
Memory layout (slots x size)	1 x 4 GB	Graphics & IMC lithography	32 nm
Memory slots	2x SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Memory, maximum *	8 GB	Intel Identity Protection Technology version	1.00
Storage		Intel Virtualization Technology (VT-x)	✓
Total storage capacity *	500 GB	Intel Dual Display Capable Technology	✓
Storage media *	HDD	Intel FDI Technology	✓
Number of HDDs installed	1	Intel Rapid Storage Technology	✗
Hard drive capacity	500 GB	Intel Fast Memory Access	✓
Hard drive interface	SATA	Processor ARK ID	52224
Hard drive rotational speed	5400 RPM	Conflict-Free processor	✗
Hard drive size	2.5"	Integrated 4G WiMAX	✓
Optical drive *	DVD±RW	Battery	
Card reader integrated	✓	Battery technology	Lithium-Ion (Li-Ion)
Compatible memory cards	SD, SDHC, SDXC	Number of battery cells	6
Graphics		Battery capacity	4400 mAh
Discrete graphics card model *	NVIDIA® GeForce® GT 620M	Battery life (max)	7 h
Discrete graphics memory type	GDDR3	Power	
On-board graphics card *	✓	AC adapter power	60 W
Discrete graphics card *	✓	AC adapter frequency	50 - 60 Hz
On-board graphics card family	Intel® HD Graphics	AC adapter input voltage	100 - 240 V
On-board graphics card model *	Intel® HD Graphics 3000	AC adapter output current	3.42 A
On-board graphics card base frequency	650 MHz	AC adapter output voltage	19 V
On-board graphics card dynamic frequency (max)	1200 MHz	Power auto-sensing	✓
On-board graphics card ID	0x116	DC-in jack	✓
Number of discrete graphics cards installed	1	Security	
Audio		Cable lock slot	✗
Audio system	HD	Fingerprint reader	✗
Number of built-in speakers	2	Password protection type	✓
Speaker power	1.5 W	Operational conditions	
Built-in microphone	✓	Operating temperature (T-T)	5 - 35 °C
Camera		Storage temperature (T-T)	-15 - 60 °C
Front camera	✓	Operating relative humidity (H-H)	10 - 85%
Front camera resolution (numeric)	1.3 MP	Storage humidity	10 - 90%
Network		Certificates	
Wi-Fi	✓	Wi-Fi certified	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Compliance certificates	RoHS
Ethernet LAN connection	✓	Sustainability	
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability certificates	ENERGY STAR
Bluetooth	✓		
Bluetooth version	4.0		
WWAN	Not installed		
Data network	Not supported		

Network		Weight & dimensions	
Cabling technology	10/100/1000Base-T(X)	Width	367.9 mm
Ports & interfaces		Depth	242.9 mm
USB 2.0 ports quantity *	3	Height (front)	3.45 cm
Ethernet LAN (RJ-45) ports	1	Height (rear)	3.53 cm
HDMI ports quantity *	1	Weight *	3.21 kg
HDMI version	1.4	Packaging content	
DVI port	✗	AC adapter included *	✓
Headphone outputs	1	Cables included	AC
S/PDIF out port	✗	Manual	✓
Microphone in	✓	Quick start guide	✓
Combo headphone/mic port	✗	Warranty card	✓
Docking connector	✗	Other features	
ExpressCard slot	✗	LightScribe	✗
CardBus PCMCIA slot type	✗	Disc types supported	CD, DVD
SmartCard slot	✗	3D compatibility	✗

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