

Samsung 3 NP300E5A Intel® Core™ i5 i5-2450M 39.6 cm (15.6") 6 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 520MX Windows 7 Home Premium Silver

Brand : Samsung

Product family: 3

Product code: NP300E5A-S01UK

Product name : NP300E5A

Intel Core i5-2450M (3M Cache, 2.50 GHz), 6GB 1333MHz DDR3 RAM, 500GB SATA HDD, DVD Super Multi Dual Layer, 15.6" LED HD 1366 x 768, NVIDIA GeForce GT 520MX Optimus (1GB GDDR3), Bluetooth 3.0, Gigabit LAN, Intel 802.11bgn, 4-in-1, HDMI, 0.3MP, 2.30 Kg, Windows 7 Home Premium 64-bit Samsung 3 NP300E5A. Processor family: Intel® Core™ i5, Processor: i5-2450M, Processor frequency: 2.5 GHz. Display diagonal: 39.6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 6 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 3000, Discrete graphics card model: NVIDIA® GeForce® GT 520MX. Operating system installed: Windows 7 Home Premium. Product colour: Silver. Weight: 2.3 kg



Design		Ports & interfaces	
Product colour *	Silver	ExpressCard slot	×
Display		CardBus PCMCIA slot type	×
Display diagonal *	39.6 cm (15.6")	SmartCard slot	×
Display resolution *	1366 x 768 pixels	Performance	
LED backlight	✓	Motherboard chipset	Intel® HM65 Express
Native aspect ratio	16:9	Keyboard	
Display surface	Matt	Pointing device	Touchpad
Display brightness	220 cd/m²	Numeric keypad *	✓
Processor		Full-size keyboard	✓
Processor manufacturer *	Intel	Keyboard layout	QWERTZ
Processor family *	Intel® Core™ i5	Software	
Processor generation	2nd gen Intel® Core™ i5	Operating system architecture	64-bit
Processor *	i5-2450M	Operating system installed *	Windows 7 Home Premium
Processor number of cores	2	Processor special features	
Processor threads	4	Intel Wireless Display (WiDi) Technology	✓
Processor boost frequency	3.1 GHz	Intel My WiFi Technology	✓
Processor frequency *	2.5 GHz	Intel Anti-Theft Technology	✓
System bus data transfer rate	5 GT/s	Intel Identity Protection Technology	✓
Processor cache	3 MB	Intel Hyper-Threading Technology	✓
Processor cache type	Smart Cache	Intel Turbo Boost Technology	2.0
Processor lithography	32 nm	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Intel Clear Video HD Technology	✓
Processor series	Intel Core i5-2400 Mobile Series	Intel Clear Video Technology	×
Processor codename	Sandy Bridge	Intel® InTru™ 3D Technology	✓
Bus type	DMI		
FSB Parity	×		
Stepping	J1		
Thermal Design Power (TDP)	35 W		

Processor		Processor special features	
Tjunction	100 °C	Intel® Insider™	✓
Maximum number of PCI Express lanes	16	Intel® Quick Sync Video Technology	✓
PCI Express slots version	2.0	Intel Flex Memory Access	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Smart Cache	✓
CPU multiplier (bus/core ratio)	25	Intel AES New Instructions	✓
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 MID	✗
Memory slots	2x SO-DIMM	Intel 64	✓
Maximum internal memory *	8 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	500 GB	Thermal Monitoring Technologies	✓
Storage media *	HDD	Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
Hard drive capacity	500 GB	Supported instruction sets	AVX
Hard drive interface	SATA	Processor code	SR04Z
Optical drive type *	DVD Super Multi DL	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✗
Compatible memory cards	MMC, SD, SDHC, SDXC	Graphics & IMC lithography	32 nm
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✗
Discrete graphics card model *	NVIDIA® GeForce® GT 520MX	Intel Identity Protection Technology version	1.00
Discrete graphics memory type	GDDR3	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Dual Display Capable Technology	✓
Discrete graphics card *	✓	Intel FDI Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel Rapid Storage Technology	✗
On-board graphics card model *	Intel® HD Graphics 3000	Intel Fast Memory Access	✓
On-board graphics card base frequency	650 MHz	Processor ARK ID	53452
On-board graphics card dynamic frequency (max)	1300 MHz	Conflict-Free processor	✗
On-board graphics card ID	0x116	Integrated 4G WiMAX	✓
Number of discrete graphics cards	1	Battery	
Audio		Battery technology	Lithium-Ion (Li-Ion)
Audio system	HDA	Number of battery cells	6
Number of built-in speakers	2	Battery performance	4400 mAh
Speaker power	1.5 W	Battery life (max)	4.6 h
Built-in microphone	✓	Energy Management	
Camera		AC adapter frequency	50 - 60 Hz
Front camera resolution (numeric)	0.3 MP	DC-in jack	✓
Network		Security	
Wi-Fi	✓	Cable lock slot	✓
Networking features	Gigabit Ethernet, WLAN, BT	Cable lock slot type	Kensington
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & Dimensions	
Ethernet LAN connection	✓	Width	367.9 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	243 mm
Bluetooth	✓	Height (front)	2.71 cm
Bluetooth version	3.0+HS	Height (rear)	3.3 cm
Cabling technology	10/100/1000Base-T(X)	Weight *	2.3 kg
Ports & interfaces		Packaging Data	
USB 2.0 ports quantity *	3	Package dimensions (WxDxH)	499 x 299 x 94 mm
Ethernet LAN (RJ-45) ports quantity	1	Package weight	3.29 kg
HDMI ports quantity *	1		
DVI port	✗		
VGA (D-Sub) ports quantity	1		

Ports & interfaces		Other features	
Headphone outputs	1	LightScribe	✗
S/PDIF out port	✗	Infrared data port	✗
Microphone in	✓	Graphics card family	Intel, NVIDIA
Docking connector	✗	Type	PC
		Display	LCD

Catalog Object Cloud



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