

Samsung 5 NP530U4B Intel® Core™ i5 i5-2467M 35.6 cm (14") 4 GB DDR3-SDRAM 500 GB HDD AMD Radeon HD 7550M Windows 7 Home Premium Silver



Brand : Samsung

Product family: 5

Product code: NP530U4B-S01TW

Product name : NP530U4B

Intel Core i5-2467M (1.6GHz, 2.3GHz Turbo frequency, 3MB L3 cache), 4GB DDR3 1333MHz (4GB x 1), 500GB SATAII HDD (5400rpm) + 16GB, 114" Super Bright Plus 300nit HD LED (1366 x 768), AMD Radeon HD7550M 1GB GDDR3, 1x USB 2.0, 2x USB3.0, 1x HDMI, 1x VGA, SD/SDHC/SDXC/MMC, Gigabit LAN, Wi-Fi 802.11b/g/n, Bluetooth 3.0+HS, 1.3MP Web Camera, HD Audio, 4W Stereo Speakers (2W x 2), 1.84kg, Silver, Windows 7 Home Premium (64-bit)

Samsung 5 NP530U4B. Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-2467M, Processor frequency: 1.6 GHz. Display diagonal: 35.6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 3000, Discrete graphics card model: AMD Radeon HD 7550M. Operating system installed: Windows 7 Home Premium. Product colour: Silver. Weight: 1.84 kg

Design		Ports & interfaces	
Product colour *	Silver	CardBus PCMCIA slot type	×
Form factor *	Clamshell	SmartCard slot	×
Display		Headphone connectivity	3.5 mm
Display diagonal *	35.6 cm (14")	Microphone connectivity	3.5 mm
Display resolution *	1366 x 768 pixels	S-Video port	×
LED backlight	✓	Performance	
Native aspect ratio	16:9	Motherboard chipset	Intel® HM65 Express
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel® Core™ i5	Numeric keypad *	×
Processor generation	2nd gen Intel® Core™ i5	Full-size keyboard	×
Processor model *	i5-2467M	Windows keys	✓
Processor cores	2	Software	
Processor threads	4	Operating system architecture	64-bit
Processor boost frequency	2.3 GHz	Trial software	Norton Internet Security
Processor frequency *	1.6 GHz	Operating system installed *	Windows 7 Home Premium
System bus rate	5 GT/s	Bundled software	Samsung AllShare, Samsung Easy File Transfer, Samsung Easy Settings, Microsoft Office Starter 2010, Samsung Recovery Solution
Processor cache	3 MB		
Processor cache type	L3	Processor special features	
Processor socket	BGA 1023	Intel® Wireless Display (Intel® WiDi)	✓
Processor lithography	32 nm	Intel® My WiFi Technology (Intel® MWT)	✓
Processor operating modes	64-bit	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor series	Intel Core i5-2400 Mobile Series	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor codename	Sandy Bridge	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Bus type	DMI	Intel® Turbo Boost Technology	2.0
FSB Parity	×	Enhanced Intel SpeedStep Technology	✓
Stepping	J1	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Thermal Design Power (TDP)	17 W	Intel Clear Video Technology	×
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
Number of processors supported	1		
CPU multiplier (bus/core ratio)	16		
ECC supported by processor	×		

Memory		Processor special features	
Internal memory *	4 GB	Intel® InTru™ 3D Technology	✓
Internal memory type	DDR3-SDRAM	Intel® Insider™	✓
Memory clock speed	1333 MHz	Intel® Quick Sync Video Technology	✓
Memory layout (slots x size)	1 x 4 GB	Intel Flex Memory Access	✓
Memory slots	1x SO-DIMM	Intel® Smart Cache	✓
Maximum internal memory *	4 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Storage		Intel Trusted Execution Technology	✗
Total storage capacity *	500 GB	Intel Enhanced Halt State	✓
Storage media *	HDD	Intel VT-x with Extended Page Tables (EPT)	✓
Number of HDDs installed	1	Intel Demand Based Switching	✗
HDD capacity	500 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
HDD interface	SATA II	Intel 64	✓
HDD speed	5400 RPM	Execute Disable Bit	✓
Card reader integrated	✓	Idle States	✓
Compatible memory cards	MMC, SD, SDHC, SDXC	Thermal Monitoring Technologies	✓
Graphics		Processor package size	31.0 x 24.0 (BGA1023)
Discrete graphics card model *	AMD Radeon HD 7550M	Supported instruction sets	AVX
Discrete graphics memory type	GDDR3	Processor code	SR0D6
On-board graphics card *	✓	CPU configuration (max)	1
Discrete graphics card *	✓	Embedded options available	✗
On-board graphics card family	Intel® HD Graphics	Graphics & IMC lithography	32 nm
On-board graphics card model *	Intel® HD Graphics 3000	Intel Virtualization Technology for Directed I/O (VT-d)	✗
On-board graphics card base frequency	350 MHz	Intel Identity Protection Technology version	1.00
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Virtualization Technology (VT-x)	✓
On-board graphics card ID	0x116	Intel Dual Display Capable Technology	✓
Number of discrete graphics cards	1	Intel FDI Technology	✓
Audio		Intel Rapid Storage Technology	✗
Audio system	HD	Intel Fast Memory Access	✓
Built-in speaker(s)	✓	Processor ARK ID	56858
Number of built-in speakers	2	Conflict-Free processor	✗
Speaker power	2 W	Integrated 4G WiMAX	✓
Built-in microphone	✓	Battery	
Camera		Battery technology	Lithium Polymer (LiPo)
Front camera resolution (numeric)	1.3 MP	Number of battery cells	8
Network		Battery capacity	6120 mAh
Wi-Fi	✓	Battery life (max)	6.5 h
Networking features	Ethernet, Fast Ethernet, Gigabit Ethernet	Power	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	AC adapter power	60 W
Wi-Fi data rate (max)	300 Mbit/s	DC-in jack	✓
Ethernet LAN	✓	Security	
Ethernet LAN data rates	10,100,1000 Mbit/s	Cable lock slot	✓
Bluetooth	✓	Cable lock slot type	Kensington
Bluetooth version	3.0+HS	Password protection type	BIOS, HDD, User
WWAN	Not installed	Weight & dimensions	
Data network	Not supported	Width	333 mm
Cabling technology	10/100/1000Base-T(X)	Depth	229.5 mm
4G WiMAX	✗	Height	20.9 mm
Networking standards	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.3, IEEE 802.3ab, IEEE 802.3u	Weight *	1.84 kg
Ports & interfaces			
USB 2.0 ports quantity *	1		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces		Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Other features	
VGA (D-Sub) ports quantity	1	LightScribe	✗
Headphone outputs	1	Infrared data port	✗
S/PDIF out port	✗	Graphics card family	AMD, Intel
Microphone in	✓	HDD user password	✓
Combo headphone/mic port	✓	Ethernet interface type	Fast Ethernet, Gigabit Ethernet
Docking connector	✗	Plug and Play	✓
ExpressCard slot	✗	Volume control	Digital
		TV tuner integrated	✗

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Publication date: 10-MAY-2025. Prints or copies of Information are only valid on the printed Publication date