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

Product colour *	Silver
Form factor *	Clamshell

Display

Display diagonal *	35.6 cm (14")
Display resolution *	1366 x 768 pixels
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	2nd gen Intel® Core™ i5
Processor model *	i5-2467M
Processor cores	2
Processor threads	4
Processor boost frequency	2.3 GHz
Processor frequency *	1.6 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	L3
Processor socket	BGA 1023
Processor lithography	32 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-2400 Mobile Series
Processor codename	Sandy Bridge
Bus type	DMI
FSB Parity	✗
Stepping	J1
Thermal Design Power (TDP)	17 W
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	✗

Ports & interfaces

CardBus PCMCIA slot type	✗
SmartCard slot	✗
Headphone connectivity	3.5 mm
Microphone connectivity	3.5 mm
S-Video port	✗

Performance

Motherboard chipset	Intel® HM65 Express

Keyboard

Pointing device	Touchpad
Numeric keypad *	✗
Full-size keyboard	✗
Windows keys	✔

Software

Operating system architecture	64-bit
Trial software	Norton Internet Security
Operating system installed *	Windows 7 Home Premium
Bundled software	Samsung AllShare, Samsung Easy File Transfer, Samsung Easy Settings, Microsoft Office Starter 2010, Samsung Recovery Solution

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	✗

Memory

Internal memory *	4 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1333 MHz
Memory layout (slots x size)	1 x 4 GB
Memory slots	1x SO-DIMM
Maximum internal memory *	4 GB

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	500 GB
HDD interface	SATA II
HDD speed	5400 RPM
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

Discrete graphics card model *	AMD Radeon HD 7550M
Discrete graphics memory type	GDDR3
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 3000
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
On-board graphics card ID	0x116
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 microphone	✔

Camera

Front camera resolution (numeric)	1.3 MP

Network

Wi-Fi	✔
Networking features	Ethernet, Fast Ethernet, Gigabit Ethernet
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Wi-Fi data rate (max)	300 Mbit/s
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	3.0+HS
WWAN	Not installed
Data network	Not supported
Cabling technology	10/100/1000Base-T(X)
4G WiMAX	✘
Networking standards	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.3, IEEE 802.3ab, IEEE 802.3u

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

Processor special features

Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® Smart Cache	✔
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® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	31.0 x 24.0 (BGA1023)
Supported instruction sets	AVX
Processor code	SR0D6
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	32 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Identity Protection 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	56858
Conflict-Free processor	✘
Integrated 4G WiMAX	✔

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	8
Battery capacity	6120 mAh
Battery life (max)	6.5 h

Power

AC adapter power	60 W
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Password protection type	BIOS, HDD, User

Weight & dimensions

Width	333 mm
Depth	229.5 mm
Height	20.9 mm
Weight *	1.84 kg

Ports & interfaces

HDMI ports quantity *	1
DVI port	✘
VGA (D-Sub) ports quantity	1
Headphone outputs	1
S/PDIF out port	✘
Microphone in	✔
Combo headphone/mic port	✔
Docking connector	✘
ExpressCard slot	✘

Packaging content

AC adapter included *	✔

Other features

LightScribe	✘
Infrared data port	✘
Graphics card family	AMD, Intel
HDD user password	✔
Ethernet interface type	Fast Ethernet, Gigabit Ethernet
Plug and Play	✔
Volume control	Digital
TV tuner integrated	✘