SAMSUNG

Samsung 5 NP500P4C Intel® Core™ i5 i5-3230M Laptop 14" 8 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® GT 630M Windows 8 Silver

Brand : Samsung

Product name : NP500P4C

Product family: 5

Article code: NP500P4C-S08HK

Intel Core i5-3230M (2.6GHz, 3MB L3 Cache, Intel HM76), 8GB DDR3, 1TB S-ATAII HDD (5400RPM), 14.0" HD LED (1366 x 768)Anti-Reflective, NVIDIA GeForce GT 630M Graphics @ 2GB gDDR3, 1.3MP, 802.11bgn, 10/100/1000M, Bluetooth 4.0, SD, SDHC, SDXC, VGA, 2x USB3.0, 2x USB2.0, HDMI, 2.27kg, Titan Silver, Windows 8 (64-bit)
Samsung 5 NP500P4C. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-3230M, Processor frequency: 2.6 GHz. Display diagonal: 14", Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 8. Product color: Silver

Design

Product type *	Laptop
Product color *	Silver
Form factor *	Clamshell

Display

Display diagonal *	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	3rd gen Intel® Core™ i5
Processor model *	i5-3230M
Processor cores	2
Processor threads	4
Processor boost frequency	3.2 GHz
Processor frequency *	2.6 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1023
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-3200 Mobile series
Processor codename	Ivy Bridge
Bus type	DMI
FSB Parity	✘
Stepping	L1
Thermal Design Power (TDP)	35 W
Tjunction	105 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8, 1x8+2x4
CPU multiplier (bus/core ratio)	26
ECC supported by processor	✘

Memory

Internal memory *	8 GB

Ports & interfaces

Docking connector	✘
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘

Performance

Motherboard chipset	Intel HM76 Express

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘
Island-style keyboard	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Pre-installed software	S Player, S Gallery, S Camera, Evernote, Settings, Support Center, SW Update, Recovery
Trial software	Microsoft Office, Norton Internet Security, Norton Online Backup
Operating system installed *	Windows 8

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™	✔
Intel® Quick Sync Video Technology	✔

Memory

Internal memory type	DDR3-SDRAM
Memory clock speed	1600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 4 GB
Memory slots	2x SO-DIMM

Storage

Total storage capacity *	1 TB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	1 TB
HDD interface	SATA II
HDD speed	5400 RPM
Optical drive type *	DVD Super Multi DL
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GT 630M
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 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 supported	1
Number of discrete graphics cards installed	1
Maximum graphics card memory	2.048 GB

Audio

Audio system	SoundAlive
Number of built-in speakers	2
Speakers manufacturer	JBL
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	1.3 MP

Network

Wi-Fi	✔
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

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
DVI port	✖
VGA (D-Sub) ports quantity	1
Headphone outputs	1

Processor special features

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® 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	31 x 24 (BGA1023)
Supported instruction sets	AVX
Processor code	SR0WX
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	72056
Conflict-Free processor	✔
Integrated 4G WiMAX	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6
Battery capacity *	48 Wh

Power

AC adapter power	60 W
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington

Weight & dimensions

Width	13.1" (334 mm)
Depth	9.29" (236 mm)
Height (front)	1.02" (2.6 cm)
Height (rear)	1.24" (3.14 cm)
Weight *	5 lbs (2.27 kg)

Packaging content

AC adapter included *	✔
Bag included	✔

Ports & interfaces		Other features	
S/PDIF out port	✘	LightScribe	✘
Microphone in	✔		

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S/PDIF out port	✘	LightScribe	✘
Microphone in	✔		

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