

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 family: 5

Article code: NP500P4C-S08HK

Product name : NP500P4C

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 | | Ports & interfaces | |
|-------------------------------------|----------------------------------|--|--|
| Product type * | Laptop | Docking connector | ✗ |
| Product color * | Silver | ExpressCard slot | ✗ |
| Form factor * | Clamshell | CardBus PCMCIA slot type | ✗ |
| Display | | SmartCard slot | ✗ |
| Display diagonal * | 14" | Performance | |
| Display resolution * | 1366 x 768 pixels | Motherboard chipset | Intel HM76 Express |
| LED backlight | ✓ | Keyboard | |
| Native aspect ratio | 16:9 | Pointing device | Touchpad |
| Processor | | Numeric keypad * | ✗ |
| Processor manufacturer * | Intel | Island-style keyboard | ✓ |
| Processor family * | Intel® Core™ i5 | Windows keys | ✓ |
| Processor generation | 3rd gen Intel® Core™ i5 | Software | |
| Processor model * | i5-3230M | Operating system architecture | 64-bit |
| Processor cores | 2 | Pre-installed software | S Player, S Gallery, S Camera, Evernote, Settings, Support Center, SW Update, Recovery |
| Processor threads | 4 | Trial software | Microsoft Office, Norton Internet Security, Norton Online Backup |
| Processor boost frequency | 3.2 GHz | Operating system installed * | Windows 8 |
| Processor frequency * | 2.6 GHz | Processor special features | |
| System bus rate | 5 GT/s | Intel® Wireless Display (Intel® WiDi) | ✓ |
| Processor cache | 3 MB | Intel® My WiFi Technology (Intel® MWT) | ✓ |
| Processor cache type | Smart Cache | Intel® Anti-Theft Technology (Intel® AT) | ✓ |
| Processor socket | BGA 1023 | Intel® Identity Protection Technology (Intel® IPT) | ✓ |
| Processor lithography | 22 nm | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor operating modes | 64-bit | Intel® Turbo Boost Technology | 2.0 |
| Processor series | Intel Core i5-3200 Mobile series | Enhanced Intel SpeedStep Technology | ✓ |
| Processor codename | Ivy Bridge | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Bus type | DMI | Intel Clear Video Technology | ✗ |
| FSB Parity | ✗ | Intel® InTru™ 3D Technology | ✓ |
| Stepping | L1 | Intel® Insider™ | ✓ |
| Thermal Design Power (TDP) | 35 W | Intel® Quick Sync Video Technology | ✓ |
| 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 | | |

| Memory | | Processor special features | |
|---|-------------------------------------|---|----------------------|
| Internal memory type | DDR3-SDRAM | Intel Flex Memory Access | ✓ |
| Memory clock speed | 1600 MHz | Intel® Smart Cache | ✓ |
| Memory form factor | SO-DIMM | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Memory layout (slots x size) | 2 x 4 GB | Intel Trusted Execution Technology | ✗ |
| Memory slots | 2x SO-DIMM | Intel Enhanced Halt State | ✓ |
| Storage | | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Total storage capacity * | 1 TB | Intel Demand Based Switching | ✗ |
| Storage media * | HDD | Intel® Secure Key | ✓ |
| Number of HDDs installed | 1 | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✗ |
| HDD capacity | 1 TB | Intel 64 | ✓ |
| HDD interface | SATA II | Execute Disable Bit | ✓ |
| HDD speed | 5400 RPM | Idle States | ✓ |
| Optical drive type * | DVD Super Multi DL | Thermal Monitoring Technologies | ✓ |
| Card reader integrated | ✓ | Processor package size | 31 x 24 (BGA1023) |
| Compatible memory cards | SD, SDHC, SDXC | Supported instruction sets | AVX |
| Graphics | | Processor code | SR0WX |
| Discrete graphics card model * | NVIDIA® GeForce® GT 630M | CPU configuration (max) | 1 |
| Discrete graphics memory type | GDDR3 | Embedded options available | ✗ |
| On-board graphics card * | ✓ | Graphics & IMC lithography | 22 nm |
| Discrete graphics card * | ✓ | Intel Virtualization Technology for Directed I/O (VT-d) | ✗ |
| On-board graphics card family | Intel® HD Graphics | Intel Identity Protection Technology version | 1.00 |
| On-board graphics card model * | Intel® HD Graphics 4000 | Intel Secure Key Technology version | 1.00 |
| On-board graphics card base frequency | 650 MHz | Intel Virtualization Technology (VT-x) | ✓ |
| On-board graphics card dynamic frequency (max) | 1100 MHz | Intel Dual Display Capable Technology | ✓ |
| On-board graphics card ID | 0x166 | Intel FDI Technology | ✓ |
| Number of discrete graphics cards supported | 1 | Intel Rapid Storage Technology | ✗ |
| Number of discrete graphics cards installed | 1 | Intel Fast Memory Access | ✓ |
| Maximum graphics card memory | 2.048 GB | Processor ARK ID | 72056 |
| Audio | | Conflict-Free processor | ✓ |
| Audio system | SoundAlive | Integrated 4G WiMAX | ✓ |
| Number of built-in speakers | 2 | Battery | |
| Speakers manufacturer | JBL | Battery technology | Lithium-Ion (Li-Ion) |
| Speaker power | 2 W | Number of battery cells | 6 |
| Built-in microphone | ✓ | Battery capacity * | 48 Wh |
| Camera | | Power | |
| Front camera | ✓ | AC adapter power | 60 W |
| Front camera resolution (numeric) | 1.3 MP | DC-in jack | ✓ |
| Network | | Security | |
| Wi-Fi | ✓ | Cable lock slot | ✓ |
| Wi-Fi standards | 802.11b, 802.11g, Wi-Fi 4 (802.11n) | Cable lock slot type | Kensington |
| Ethernet LAN | ✓ | Weight & dimensions | |
| Ethernet LAN data rates | 10,100,1000 Mbit/s | Width | 13.1" (334 mm) |
| Bluetooth | ✓ | Depth | 9.29" (236 mm) |
| Bluetooth version | 4.0 | Height (front) | 1.02" (2.6 cm) |
| Ports & interfaces | | Height (rear) | 1.24" (3.14 cm) |
| USB 2.0 ports quantity * | 2 | Weight * | 5 lbs (2.27 kg) |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | Packaging content | |
| Ethernet LAN (RJ-45) ports | 1 | AC adapter included * | ✓ |
| HDMI ports quantity * | 1 | Bag included | ✓ |
| DVI port | ✗ | | |
| VGA (D-Sub) ports quantity | 1 | | |
| Headphone outputs | 1 | | |

| Ports & interfaces | | Other features | |
|--------------------|---|----------------|---|
| S/PDIF out port | ✗ | LightScribe | ✗ |
| Microphone in | ✓ | | |

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