

Samsung ATIV NP900X3G Intel® Core™ i5 i5-4200U Laptop 33.8 cm (13.3") Full HD 8 GB DDR3L-SDRAM 256 GB SSD Windows 8.1 Black

Brand : Samsung

Product family: ATIV

Product code: NP900X3G-K01HK

Product name : NP900X3G

Intel® Core™ i5-4200U, 1.6GHz, Intel HD Graphics 4400, 13.3", 1920 x 1080, 256GB SSD, 8GB DDR3L, 1600MHz, 2x 1.5W, HD Webcam, 802.11ac/a/b/g/n, Bluetooth 4.0, Windows 8.1 64-Bit
 Samsung ATIV NP900X3G. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4200U, Processor frequency: 1.6 GHz. Display diagonal: 33.8 cm (13.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: Windows 8.1. Product colour: Black



Design		Performance	
Product type *	Laptop	Ambient light sensor	✓
Product colour *	Black		
Form factor *	Clamshell		
Display		Keyboard	
Display diagonal *	33.8 cm (13.3")	Pointing device	Clickpad
Display resolution *	1920 x 1080 pixels	Numeric keypad *	✗
Touchscreen *	✗	Island-style keyboard	✓
HD type	Full HD	Windows keys	✓
LED backlight	✓		
Native aspect ratio	16:9		
Display brightness	300 cd/m²		
Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i5	Operating system installed *	Windows 8.1
Processor generation	4th gen Intel® Core™ i5		
Processor model *	i5-4200U		
Processor cores	2		
Processor threads	4		
Processor boost frequency	2.6 GHz		
Processor frequency *	1.6 GHz		
Processor cache	3 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1168		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-4200 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	15 W		
		Processor special features	
		Intel® Wireless Display (Intel® WiDi)	✓
		Intel® My WiFi Technology (Intel® MWT)	✓
		Intel Smart Connect Technology	✓
		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
		Intel® Matrix Storage Technology (Intel® MST)	✗
		Intel® High Definition Audio (Intel® HD Audio)	✓
		Enhanced Intel SpeedStep Technology	✓
		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
		Intel Clear Video Technology	✗
		Intel® InTru™ 3D Technology	✓

Processor		Processor special features	
Tjunction	100 °C	Intel® Insider™	✓
Maximum number of PCI Express lanes	12	Intel® Quick Sync Video Technology	✓
PCI Express slots version	2.0	Intel Flex Memory Access	✗
PCI Express configurations	1x4, 2x4	Intel® AES New Instructions (Intel® AES-NI)	✓
ECC supported by processor	✗	Intel Trusted Execution Technology	✗
Memory		Intel Enhanced Halt State	✓
Internal memory *	8 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR3L-SDRAM	Intel Demand Based Switching	✗
Memory clock speed	1600 MHz	Intel® Secure Key	✓
Memory layout (slots x size)	1 x 8 GB	Intel TSX-NI	✗
Storage		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Total storage capacity *	256 GB	Intel 64	✓
Storage media *	SSD	Execute Disable Bit	✓
Number of SSDs installed	1	Idle States	✓
SSD capacity	256 GB	Thermal Monitoring Technologies	✓
Optical drive type *	✗	Processor package size	40 x 24 x 1.5 mm
Card reader integrated	✓	Supported instruction sets	AVX 2.0
Compatible memory cards	SD, SDHC, SDXC	Processor code	SR170
Graphics		CPU configuration (max)	1
Discrete graphics card model *	Not available	Embedded options available	✗
On-board graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Discrete graphics card *	✗	Intel Smart Connect Technology version	1.00
On-board graphics card family	Intel® HD Graphics	Intel Identity Protection Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 4400	Intel Secure Key Technology version	1.00
On-board graphics card base frequency	200 MHz	Intel ME Firmware Version	9.5
On-board graphics card dynamic frequency (max)	1000 MHz	Intel TSX-NI version	0.00
Maximum on-board graphics card memory	1.74 GB	Intel Virtualization Technology (VT-x)	✓
On-board graphics card DirectX version	12	Intel Dual Display Capable Technology	✗
On-board graphics card ID	0xA16	Intel FDI Technology	✗
Audio		Intel Rapid Storage Technology	✓
Number of built-in speakers	2	Intel Fast Memory Access	✗
Speaker power	3 W	Processor ARK ID	75459
Built-in microphone	✓	Conflict-Free processor	✓
Camera		Battery	
Front camera	✓	Number of battery cells	4
Network		Battery capacity *	44 Wh
Wi-Fi	✓	Power	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	AC adapter power	40 W
Ethernet LAN	✓	DC-in jack	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Security	
Bluetooth	✓	Cable lock slot	✗
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	1	Width	313.8 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Depth	218.5 mm
DVI port	✗	Height	13.2 mm
Mini VGA ports quantity	1	Weight *	1.13 kg
Micro HDMI ports quantity	1	Packaging content	
S/PDIF out port	✗	Interface adapters included	Samsung LAN port - Ethernet LAN (RJ-45)
Combo headphone/mic port	✓		
Docking connector	✗		

Ports & interfaces		Other features	
ExpressCard slot	✗	LightScribe	✗
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Total number of SATA connectors	4		
Number of SATA III connectors	4		
USB Sleep-and-Charge	✓		

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