## SAMSUNG

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K01AT





Design		Keyboard	
Product type *	Laptop	Pointing device	Clickpad
Product colour *	Black	Numeric keypad *	×
Form factor *	Clamshell	Keyboard backlit	<b>✓</b>
Display		Island-style keyboard	<b>✓</b>
Display diagonal *	35.6 cm (14")	Built-in touchpad	✓
Display resolution *	1366 x 768 pixels	Software	
Touchscreen *	✓	Operating system architecture	64-bit
LED backlight	✓	. 5 .	Microsoft Office, Norton Internet
Native aspect ratio	16:9	Trial software	Security
Display brightness	200 cd/m <sup>2</sup>	Operating system installed *	Windows 8
Processor		Bundled software	Samsung SideSync S Player S Gallery S Camera Evernote
Processor manufacturer *	Intel Intel® Core™ i5	Processor special features	
Processor family * Processor generation	3rd gen Intel® Core™ i5	Intel® Wireless Display (Intel®	
Processor model *	i5-3337U	WiDi)	✓
Processor cores	2	Intel® My WiFi Technology (Intel® MWT)	✓
Processor threads	4	Intel® Anti-Theft Technology	
Processor boost frequency	2.7 GHz	(Intel® AT)	<b>7</b>
Processor frequency *	1.8 GHz	Intel® Identity Protection	/
System bus rate	5 GT/s	Technology (Intel® IPT)	•
Processor cache	3 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor socket	BGA 1023	Enhanced Intel SpeedStep	
Processor lithography	22 nm	Technology	<b>✓</b>
Processor operating modes	64-bit	Intel® Clear Video HD Technology	/
Processor series	Intel Core i5-3300 Mobile series	(Intel® CVT HD)	•
Processor codename	Ivy Bridge	Intel Clear Video Technology	×
Bus type	DMI	Intel® InTru™ 3D Technology	✓
FSB Parity	×	Intel® Insider™	✓
Stepping The search Decision Research (TDR)	L1	Intel® Quick Sync Video Technology	<b>✓</b>
Thermal Design Power (TDP)	17 W	Intel Flex Memory Access	<b>✓</b>
Tjunction  Maximum number of BCL Express	105 °C	Intel® Smart Cache	<b>✓</b>
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel®	
PCI Express slots version	2.0	AES-NI)	•

Processor		Processor special features	
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Trusted Execution Technology	×
CPU multiplier (bus/core ratio)	18	Intel Enhanced Halt State	✓
ECC supported by processor  Memory	×	Intel VT-x with Extended Page Tables (EPT)	<b>✓</b>
•	4 GB	Intel Demand Based Switching	×
Internal memory * Internal memory type	DDR3-SDRAM	Intel® Secure Key	<b>✓</b>
Memory clock speed Memory layout (slots x size)	1600 MHz 1 x 4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	×
Storage		Intel 64	<b>✓</b>
Total storage capacity *	500 GB	Execute Disable Bit	/
Storage media *	Hybrid-HDD	Idle States	<b>✓</b>
HDD interface	SATA II	Thermal Monitoring Technologies	✓
HDD speed	5400 RPM	Processor package size	31 x 24 (BGA1023)
Hybrid-HDD capacity	500 GB	Supported instruction sets	AVX
Hybrid-HDD cache memory	24 GB	Processor code	SR0XL
Optical drive type *	×	CPU configuration (max)	1
Card reader integrated	<b>✓</b>	Embedded options available	×
Compatible memory cards	SD, SDHC, SDXC	Graphics & IMC lithography	22 nm
<b>Graphics</b> On-board graphics card *	<b>/</b>	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 On-board graphics card dynamic	350 MHz	Intel Virtualization Technology (VT-x) Intel Dual Display Capable	✓
frequency (max)	1100 MHz	Technology	✓
On-board graphics card ID	0x166	Intel FDI Technology	✓
Audio		Intel Rapid Storage Technology	×
Audio system	JBL Stereo	Intel Fast Memory Access	<b>✓</b>
Number of built-in speakers	2	Processor ARK ID	72055
Speakers manufacturer	JBL	Conflict-Free processor	✓
Speaker power	4 W	Integrated 4G WiMAX	✓
Built-in microphone	<b>/</b>	Battery	
Camera		Battery technology	Lithium-lon (Li-lon)
Front camera	/	Number of battery cells	4
Network		Battery capacity *	57 Wh
Wi-Fi	<b>✓</b>	Power	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	DC-in jack	<b>✓</b>
Ethernet LAN	002.110, 002.11g, Wi-Fi 4 (002.11ii)  ✓	•	
Ethernet LAN data rates	100,1000,10000 Mbit/s	Security	
Bluetooth	✓	Cable lock slot	<b>✓</b>
Bluetooth version	4.0	Weight & dimensions	
Ports & interfaces		Width	338 mm
	2	Depth	234 mm
USB 2.0 ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-A	2	Height	20.8 mm
ports quantity *	1	Weight *	1.95 kg
Ethernet LAN (RJ-45) ports	1	Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
Mini VGA ports quantity	1	Bag included	✓
Headphone outputs	1	Other features	
Combo headphone/mic port	✓	LightScribe	<b>~</b>
ExpressCard slot	X	Lightothioe	×
CardBus PCMCIA slot type	X		
SmartCard slot	X		
USB Sleep-and-Charge	✓		

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Motherboard chipset

Intel HM76 Express

