

**Samsung R NP-R522-FS0EES laptop Intel® Core™ 2 Duo P7550
39,6 cm (15.6") 4 GB DDR2-SDRAM 500 GB AMD Mobility Radeon
HD 4650 Windows Vista Home Premium Black**

Brand : Samsung

Product family: R

Product code: NP-R522-FS0EES

Product name : NP-R522-FS0EES



NP-R522-FS0EES - Intel Core 2 Duo P7550 (3M L2, 2.26 GHz, 1066 MHz FSB), 15.6" LED WXGA (1366 x 768), 4GB DDR2, 500 GB SATA HDD, DVD+/-RW DL, ATI Radeon HD 4650 1024MB, WLAN 802.11 b/g, Gigabit Ethernet, 1.3M Webcam, Microsoft Windows Vista Home Premium
Samsung R NP-R522-FS0EES. Processor family: Intel® Core™ 2 Duo, Processor model: P7550, Processor frequency: 2,26 GHz. Display diagonal: 39,6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR2-SDRAM. Total storage capacity: 500 GB. Discrete graphics card model: AMD Mobility Radeon HD 4650. Operating system installed: Windows Vista Home Premium. Product colour: Black. Weight: 2,55 kg

Design		Processor special features	
Product colour *	Black	Intel® Wireless Display (Intel® WiDi)	×
Display		Intel® My WiFi Technology (Intel® MWT)	×
Display diagonal *	39,6 cm (15.6")	Intel® Anti-Theft Technology (Intel® AT)	×
Display resolution *	1366 x 768 pixels	Intel® Hyper Threading Technology (Intel® HT Technology)	×
Native aspect ratio	16:9	Intel® Turbo Boost Technology	×
Processor		Enhanced Intel SpeedStep Technology	✓
Processor manufacturer *	Intel	Intel® Clear Video HD Technology (Intel® CVT HD)	×
Processor family *	Intel® Core™ 2 Duo	Intel Clear Video Technology	×
Processor model *	P7550	Intel® InTru™ 3D Technology	×
Processor cores	2	Intel® Insider™	×
Processor threads	2	Intel® Quick Sync Video Technology	×
Processor frequency *	2,26 GHz	Intel Flex Memory Access	×
Processor cache	3 MB	Intel® AES New Instructions (Intel® AES-NI)	×
Processor cache type	L2	Intel Trusted Execution Technology	×
Processor socket	Socket 478	Intel Enhanced Halt State	×
Processor front side bus	1066 MHz	Intel VT-x with Extended Page Tables (EPT)	×
Processor lithography	45 nm	Intel Demand Based Switching	×
Processor operating modes	64-bit	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	×
Processor series	Intel Core 2 Duo P7000 Series	Intel 64	✓
Processor codename	Penryn	Execute Disable Bit	✓
Bus type	FSB	Thermal Monitoring Technologies	×
FSB Parity	×	Processor package size	35 x 35 mm
Stepping	R0	Processor code	SLGF8
Thermal Design Power (TDP)	25 W	Embedded options available	×
Tjunction	90 °C		
Number of Processing Die Transistors	410 M		
Processing Die size	107 mm²		
CPU multiplier (bus/core ratio)	8,5		
ECC supported by processor	×		
Memory			
Internal memory *	4 GB		
Internal memory type	DDR2-SDRAM		

Memory		Processor special features	
Memory clock speed	800 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Memory layout (slots x size)	2 x 2 GB	Intel Virtualization Technology (VT-x)	2
Maximum internal memory *	4 GB	Intel Dual Display Capable Technology	✗
Storage		Intel FDI Technology	✗
Total storage capacity *	500 GB	Intel Rapid Storage Technology	✗
HDD interface	SATA	Intel Fast Memory Access	✗
HDD speed	5400 RPM	Processor ARK ID	42014
Card reader integrated	✓	Conflict-Free processor	✗
Graphics		Battery	
Discrete graphics card model *	AMD Mobility Radeon HD 4650	Number of battery cells	6
Discrete graphics card *	✓	Power	
Audio		AC adapter power	90 W
Audio system	High Definition Audio	AC adapter input voltage	100 - 240 V
Number of built-in speakers	2	DC-in jack	✓
Speaker power	2 W	Security	
Camera		Cable lock slot	✓
Front camera resolution (numeric)	1,3 MP	Cable lock slot type	Kensington
Network		Password protection type	BIOS
Networking features	Gigabit Ethernet, WLAN	Weight & dimensions	
Bluetooth	✗	Width	376 mm
Ports & interfaces		Depth	255,8 mm
USB 2.0 ports quantity *	3	Height (front)	3,13 cm
eSATA ports quantity	1	Height (rear)	3,72 cm
Ethernet LAN (RJ-45) ports	1	Weight *	2,55 kg
HDMI ports quantity *	1	Packaging content	
DVI port	✗	AC adapter included *	✓
VGA (D-Sub) ports quantity	1	Other features	
Headphone outputs	1	Wireless technology	802.11 b/g
S/PDIF out port	✗	Infrared data port	✗
Microphone in	✓	Type	PC
Docking connector	✗	Display	LED
ExpressCard slot	✓	TV-in port	✗
CardBus PCMCIA slot type	✗	HDD user password	✓
SmartCard slot	✗	Internal modem	✗
TV-out	✗	Software	
Keyboard		Operating system installed *	Windows Vista Home Premium
Pointing device	Touchpad		

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