SAMSUNG

Samsung R NP-R730-JB05DE laptop Intel® Pentium® P6100 43.9 cm (17.3") HD+ 4 GB DDR3-SDRAM 320 GB NVIDIA® GeForce® 310M Windows 7 Home Premium Silver

Brand : Samsung

Product family: R

Product code: NP-R730-JB05DE

Product name : NP-R730-JB05DE

NP-R730-JA02PL - Intel Pentium P6100 (3M Cache, 2.00 GHz), 4GB DDR3, 320GB SATA HDD, 5400RPM, 17.3" LED HD + 1600 x 900, 802.11 b/g/n, Fast Ethernet, 3x USB 2.0, HDMI, RJ-45, 2840g, Silver, Windows 7 Home Premium

Samsung R NP-R730-JB05DE. Processor family: Intel® Pentium®, Processor model: P6100, Processor frequency: 2 GHz. Display diagonal: 43.9 cm (17.3"), HD type: HD+, Display resolution: 1600 x 900 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 320 GB, Optical drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics, Discrete graphics card model: NVIDIA® GeForce® 310M. Operating system installed: Windows 7 Home Premium. Product colour: Silver. Weight: 2.84 kg

Design

Product colour *	Silver

Display

Display diagonal *	43.9 cm (17.3")
Display resolution *	1600 x 900 pixels
HD type	HD+
Native aspect ratio	16:9
Display surface	Gloss
Display brightness	220 cd/m²

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Pentium®
Processor model *	P6100
Processor cores	2
Processor threads	2
Processor frequency *	2 GHz
System bus rate	2.5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	PGA988
Processor lithography	32 nm
Processor operating modes	32-bit, 64-bit
Processor series	Intel Pentium P6000 Series for Mobile
Processor codename	Arrandale
Bus type	DMI
FSB Parity	✖
Stepping	K0
Thermal Design Power (TDP)	35 W

Keyboard

Pointing device	Touchpad
Full-size keyboard	✔

Software

Operating system architecture	32-bit
Drivers included	✔
Trial software	McAfee Virus Scan
Operating system installed *	Windows 7 Home Premium
Bundled software	Adobe Acrobat Reader; Easy Battery Manager; Easy Display Manger; Easy Network Manager; Easy SpeedUp Manager; Microsoft Office Professional 2007 (free 60-day trial); SAMSUNG Support Center; SAMSUNG Update Plus.

Processor special features

Intel® Wireless Display (Intel® WiDi)	✖
Intel® My WiFi Technology (Intel® MWT)	✖
Intel® Anti-Theft Technology (Intel® AT)	✖
Intel® Hyper Threading Technology (Intel® HT Technology)	✖
Intel® Turbo Boost Technology	✖
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✖

Processor

Tjunction	90 °C
Maximum number of PCI Express lanes	1
PCI Express slots version	2.0
PCI Express configurations	1x16
Number of Processing Die Transistors	382 M
Processing Die size	81 mm²
CPU multiplier (bus/core ratio)	15
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1066 MHz
Memory layout (slots x size)	2 x 2 GB
Memory slots	2x SO-DIMM
Memory slots (available)	2
Maximum internal memory *	4 GB

Storage

Total storage capacity *	320 GB
HDD interface	SATA
HDD speed	5400 RPM
Optical drive type *	DVD Super Multi DL
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® 310M
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics
On-board graphics card base frequency	500 MHz
On-board graphics card dynamic frequency (max)	667 MHz
Maximum graphics card memory	0.5 GB

Audio

Audio system	SRS 3D
Number of built-in speakers	2
Speaker power	1.5 W

Camera

Front camera resolution (numeric)	0.3 MP

Network

Wi-Fi	✔
Networking features	Fast Ethernet
Ethernet LAN	✔
Bluetooth	✘
Cabling technology	10/100Base-T(X)

Ports & interfaces

USB 2.0 ports quantity *	3
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✘
VGA (D-Sub) ports quantity	1
Headphone outputs	1
S/PDIF out port	✘
Microphone in	✔

Processor special features

Intel® Insider™	✘
Intel® Quick Sync Video Technology	✘
Intel Flex Memory Access	✔
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® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5x37.5 mm
Processor code	SLBUR
Physical Address Extension (PAE)	36 bit
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	45 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Virtualization Technology (VT-x)	✘
Intel Dual Display Capable Technology	✔
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✔
Processor ARK ID	50175
Conflict-Free processor	✘

Battery

Number of battery cells	6
Battery capacity	4000 mAh

Power

AC adapter power	60 W
AC adapter input voltage	100 - 240 V
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Password protection type	BIOS, HDD

Weight & dimensions

Width	411.4 mm
Depth	272.8 mm
Height (front)	3.2 cm
Height (rear)	3.98 cm
Weight *	2.84 kg

Packaging content

AC adapter included *	✔

Other features

Wireless technology	IEEE 802.11 b/g/n
Infrared data port	✘

Ports & interfaces

Docking connector	✘
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘
TV-out	✘

Performance

Motherboard chipset	Intel® GL40 Express

Other features

Graphics card family	NVIDIA
Display	LED
Compliance industry standards	IEEE 802.3/802.3u
HDD user password	✔

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