

## 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                     |                                       | Keyboard   |  |
|----------------------------|---------------------------------------|--|--|
| Product colour *           | Silver                                | Pointing device  | Touchpad   |
| Display                    |                                       | Full-size keyboard                                       | ✓  |
| Display diagonal *         | 43.9 cm (17.3")                       | Software   |  |
| Display resolution *       | 1600 x 900 pixels                     | Operating system architecture                            | 32-bit   |
| HD type                    | HD+                                   | Drivers included   | ✓  |
| Native aspect ratio        | 16:9                                  | Trial software   | McAfee Virus Scan  |
| Display surface            | Gloss                                 | Operating system installed *                             | Windows 7 Home Premium   |
| Display brightness         | 220 cd/m²                             |  | Adobe Acrobat Reader; Easy Battery Manager; Easy Display Manager; Easy Network Manager; Easy SpeedUp Manager; Microsoft Office Professional 2007 (free 60-day trial); SAMSUNG Support Center; SAMSUNG Update Plus. |
| Processor                  |                                       | Bundled software   |  |
| Processor manufacturer *   | Intel                                 | Processor special features                               |  |
| Processor family *         | Intel® Pentium®                       | Intel® Wireless Display (Intel® WiDi)                    | ✗  |
| Processor model *          | P6100                                 | Intel® My WiFi Technology (Intel® MWT)                   | ✗  |
| Processor cores            | 2                                     | Intel® Anti-Theft Technology (Intel® AT)                 | ✗  |
| Processor threads          | 2                                     | Intel® Hyper Threading Technology (Intel® HT Technology) | ✗  |
| Processor frequency *      | 2 GHz                                 | Intel® Turbo Boost Technology                            | ✗  |
| System bus rate            | 2.5 GT/s                              | Enhanced Intel SpeedStep Technology                      | ✓  |
| Processor cache            | 3 MB                                  | Intel® Clear Video HD Technology (Intel® CVT HD)         | ✓  |
| Processor cache type       | Smart Cache                           | Intel Clear Video Technology                             | ✓  |
| Processor socket           | PGA988                                | Intel® InTru™ 3D Technology                              | ✗  |
| 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                                  |  |  |

| Processor                                      |                       | Processor special features  |                   |
|--|-----------------------|---|-------------------|
| Tjunction                                      | 90 °C                 | Intel® Insider™   | ✗                 |
| Maximum number of PCI Express lanes            | 1                     | Intel® Quick Sync Video Technology  | ✗                 |
| PCI Express slots version                      | 2.0                   | Intel Flex Memory Access  | ✓                 |
| PCI Express configurations                     | 1x16                  | Intel® AES New Instructions (Intel® AES-NI)                                   | ✗                 |
| Number of Processing Die Transistors           | 382 M                 | Intel Trusted Execution Technology  | ✗                 |
| Processing Die size                            | 81 mm²                | Intel Enhanced Halt State   | ✓                 |
| CPU multiplier (bus/core ratio)                | 15                    | Intel VT-x with Extended Page Tables (EPT)                                    | ✗                 |
| ECC supported by processor                     | ✗                     | Intel Demand Based Switching  | ✗                 |
| Memory   |                       | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✓                 |
| Internal memory *                              | 4 GB                  | Intel 64  | ✓                 |
| Internal memory type                           | DDR3-SDRAM            | Execute Disable Bit   | ✓                 |
| Memory clock speed                             | 1066 MHz              | Idle States   | ✓                 |
| Memory layout (slots x size)                   | 2 x 2 GB              | Thermal Monitoring Technologies   | ✓                 |
| Memory slots                                   | 2x SO-DIMM            | Processor package size  | 37.5x37.5 mm      |
| Memory slots (available)                       | 2                     | Processor code  | SLBUR             |
| Maximum internal memory *                      | 4 GB                  | Physical Address Extension (PAE)  | 36 bit            |
| Storage  |                       | CPU configuration (max)   | 1                 |
| Total storage capacity *                       | 320 GB                | Embedded options available  | ✗                 |
| HDD interface                                  | SATA                  | Graphics & IMC lithography  | 45 nm             |
| HDD speed                                      | 5400 RPM              | Intel Virtualization Technology for Directed I/O (VT-d)                       | ✗                 |
| Optical drive type *                           | DVD Super Multi DL    | Intel Virtualization Technology (VT-x)  | ✗                 |
| Card reader integrated                         | ✓                     | Intel Dual Display Capable Technology   | ✓                 |
| Compatible memory cards                        | MMC, SD, SDHC         | Intel FDI Technology  | ✓                 |
| Graphics                                       |                       | Intel Rapid Storage Technology  | ✗                 |
| Discrete graphics card model *                 | NVIDIA® GeForce® 310M | Intel Fast Memory Access  | ✓                 |
| On-board graphics card *                       | ✓                     | Processor ARK ID  | 50175             |
| Discrete graphics card *                       | ✓                     | Conflict-Free processor   | ✗                 |
| On-board graphics card family                  | Intel® HD Graphics    | Battery   |                   |
| On-board graphics card model *                 | Intel® HD Graphics    | Number of battery cells   | 6                 |
| On-board graphics card base frequency          | 500 MHz               | Battery capacity  | 4000 mAh          |
| On-board graphics card dynamic frequency (max) | 667 MHz               | Power   |                   |
| Maximum graphics card memory                   | 0.5 GB                | AC adapter power  | 60 W              |
| Audio  |                       | AC adapter input voltage  | 100 - 240 V       |
| Audio system                                   | SRS 3D                | DC-in jack  | ✓                 |
| Number of built-in speakers                    | 2                     | Security  |                   |
| Speaker power                                  | 1.5 W                 | Cable lock slot   | ✓                 |
| Camera   |                       | Cable lock slot type  | Kensington        |
| Front camera resolution (numeric)              | 0.3 MP                | Password protection type  | BIOS, HDD         |
| Network  |                       | Weight & dimensions   |                   |
| Wi-Fi  | ✓                     | Width   | 411.4 mm          |
| Networking features                            | Fast Ethernet         | Depth   | 272.8 mm          |
| Ethernet LAN                                   | ✓                     | Height (front)  | 3.2 cm            |
| Bluetooth                                      | ✗                     | Height (rear)   | 3.98 cm           |
| Cabling technology                             | 10/100Base-T(X)       | Weight *  | 2.84 kg           |
| Ports & interfaces                             |                       | Packaging content   |                   |
| USB 2.0 ports quantity *                       | 3                     | AC adapter included *   | ✓                 |
| Ethernet LAN (RJ-45) ports                     | 1                     | Other features  |                   |
| HDMI ports quantity *                          | 1                     | Wireless technology   | IEEE 802.11 b/g/n |
| DVI port                                       | ✗                     | Infrared data port  | ✗                 |
| VGA (D-Sub) ports quantity                     | 1                     |   |                   |
| Headphone outputs                              | 1                     |   |                   |
| S/PDIF out port                                | ✗                     |   |                   |
| Microphone in                                  | ✓                     |   |                   |

| Ports & interfaces       |                     | Other features                |                   |
|--------------------------|---------------------|-------------------------------|-------------------|
| Docking connector        | ✗                   | Graphics card family          | NVIDIA            |
| ExpressCard slot         | ✗                   | Display                       | LED               |
| CardBus PCMCIA slot type | ✗                   | Compliance industry standards | IEEE 802.3/802.3u |
| SmartCard slot           | ✗                   | HDD user password             | ✓                 |
| TV-out                   | ✗                   |                               |                   |
| Performance              |                     |                               |                   |
| Motherboard chipset      | Intel® GL40 Express |                               |                   |

## Catalog Object Cloud



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