



DELL Inspiron 3521 Intel® Core™ i3 i3-3217U Laptop 39.6 cm (15.6") 4 GB DDR3-SDRAM 500 GB HDD AMD Radeon HD 7670M Linux Black

Brand : DELL

Product family: Inspiron

Product code: 3521-6982

Product name : 3521



Inspiron 15 (3521) - Intel Core i3-3217U (3M Cache, 1.80 GHz), 4GB 1600MHz DDR3 SDRAM, 500GB 5400rpm SATA HDD, 39.624 cm (15.6 ") HD (1366x768), DVD±RW, Intel HD Graphics 4000 + AMD Radeon HD 7670M 1GB, Fast Ethernet, 802.11b/g/n, Bluetooth 4.0, HD Webcam, 4-cell, Linux DELL Inspiron 3521. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor: i3-3217U, Processor frequency: 1.8 GHz. Display diagonal: 39.6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Linux. Product colour: Black

| Design | | Software | |
|-------------------------------|----------------------------------|--|-------|
| Product type * | Laptop | Operating system installed * | Linux |
| Product colour * | Black | Processor special features | |
| Form factor * | Clamshell | Intel Wireless Display (WiDi) Technology | ✓ |
| Market positioning | Business | Intel My WiFi Technology | ✓ |
| Display | | Intel Smart Connect Technology | ✗ |
| Display diagonal * | 39.6 cm (15.6") | Intel Anti-Theft Technology | ✓ |
| Display resolution * | 1366 x 768 pixels | Intel® Rapid Start Technology | ✗ |
| Touch screen * | ✗ | Intel® Smart Response Technology | ✗ |
| LED backlight | ✓ | Intel Identity Protection Technology | ✓ |
| Native aspect ratio | 16:9 | Intel Hyper-Threading Technology | ✓ |
| Pixel pitch | 0.252 x 0.252 mm | Intel Turbo Boost Technology | ✗ |
| Processor | | Intel® Small Business Advantage (Intel® SBA) | ✗ |
| Processor manufacturer * | Intel | Intel Matrix Storage Technology | ✗ |
| Processor family * | Intel® Core™ i3 | Intel HD Audio Technology | ✗ |
| Processor generation | 3rd gen Intel® Core™ i3 | Intel Active Management Technology | ✗ |
| Processor * | i3-3217U | Enhanced Intel SpeedStep Technology | ✓ |
| Processor number of cores | 2 | Intel Clear Video HD Technology | ✓ |
| Processor threads | 4 | Intel Clear Video Technology | ✗ |
| Processor frequency * | 1.8 GHz | Intel® InTru™ 3D Technology | ✓ |
| System bus data transfer rate | 5 GT/s | Intel® Insider™ | ✓ |
| Processor cache | 3 MB | Intel® Quick Sync Video Technology | ✓ |
| Processor cache type | Smart Cache | Intel Flex Memory Access | ✓ |
| Processor socket | BGA 1023 | Intel® Smart Cache | ✓ |
| Processor lithography | 22 nm | | |
| Processor operating modes | 64-bit | | |
| Processor series | Intel Core i3-3200 Mobile Series | | |
| Processor codename | Ivy Bridge | | |
| Bus type | DMI | | |

| Processor | | Processor special features | |
|--|--|---|----------------------|
| FSB Parity | ✗ | Intel AES New Instructions | ✗ |
| Stepping | L1 | Intel Trusted Execution Technology | ✗ |
| Thermal Design Power (TDP) | 17 W | Intel Enhanced Halt State | ✓ |
| Tjunction | 105 °C | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Maximum number of PCI Express lanes | 16 | Intel Demand Based Switching | ✗ |
| PCI Express slots version | 2.0 | Intel Clear Video Technology for MID | ✗ |
| PCI Express configurations | 1x16, 2x8, 1x8+2x4 | Intel 64 | ✓ |
| CPU multiplier (bus/core ratio) | 18 | Execute Disable Bit | ✓ |
| ECC supported by processor | ✗ | Idle States | ✓ |
| Memory | | Thermal Monitoring Technologies | ✓ |
| Internal memory * | 4 GB | Processor package size | 31 x 24 mm |
| Internal memory type | DDR3-SDRAM | Supported instruction sets | AVX |
| Memory clock speed | 1600 MHz | Processor code | SR0N9 |
| Memory form factor | SO-DIMM | CPU configuration (max) | 1 |
| Memory layout (slots x size) | 1 x 4 GB | Embedded options available | ✗ |
| Memory slots | 2x SO-DIMM | Graphics & IMC lithography | 22 nm |
| Maximum internal memory * | 8 GB | Intel Virtualization Technology for Directed I/O (VT-d) | ✗ |
| Storage | | Intel Identity Protection Technology version | 1.00 |
| Total storage capacity * | 500 GB | Intel Virtualization Technology (VT-x) | ✓ |
| Storage media * | HDD | Intel Dual Display Capable Technology | ✓ |
| Number of hard drives installed | 1 | Intel FDI Technology | ✓ |
| Hard drive capacity | 500 GB | Intel Rapid Storage Technology | ✗ |
| Hard drive interface | SATA | Intel Fast Memory Access | ✓ |
| Hard drive rotational speed | 5200 RPM | Processor ARK ID | 65697 |
| Hard drive size | 2.5" | Conflict-Free processor | ✓ |
| Optical drive type * | DVD±RW | Integrated 4G WiMAX | ✓ |
| Card reader integrated | ✓ | Battery | |
| Compatible memory cards | Memory Stick (MS), MMC, MMC+, MS PRO, MSXC, SD, SDHC, SDXC | Battery technology | Lithium-Ion (Li-Ion) |
| Graphics | | Number of battery cells | 4 |
| Discrete graphics card model * | AMD Radeon HD 7670M | Battery capacity * | 40 Wh |
| Discrete graphics memory type | GDDR5 | Battery voltage | 14.8 V |
| On-board graphics card * | ✓ | Energy Management | |
| Discrete graphics card * | ✓ | AC adapter frequency | 50 - 60 Hz |
| On-board graphics card family | Intel® HD Graphics | AC adapter input voltage | 100 - 240 V |
| On-board graphics card model * | Intel® HD Graphics 4000 | AC adapter output current | 3.34 A |
| On-board graphics card base frequency | 350 MHz | AC adapter output voltage | 19.5 V |
| On-board graphics card dynamic frequency (max) | 1050 MHz | DC-in jack | ✓ |
| On-board graphics card ID | 0x166 | Security | |
| Number of discrete graphics cards supported | 1 | Cable lock slot | ✓ |
| Number of discrete graphics cards installed | 1 | Cable lock slot type | Kensington |
| Audio | | Operational Conditions | |
| Number of built-in speakers | 2 | Operating temperature range (T-T) | 0 - 40 °C |
| Speaker power | 2 W | Storage temperature range (T-T) | -40 - 70 °C |
| Built-in microphone | ✓ | Operating relative humidity range | 10 - 90% |
| Camera | | Storage relative humidity range | 10 - 95% |
| Front camera | ✓ | Operating altitude | -15.2 - 3048 m |
| Front camera resolution (numeric) | 0.92 MP | Non-operating altitude | -15.2 - 10668 m |
| Front camera resolution | 1280 x 720 pixels | Operating shock | 110 G |
| Network | | Non-operating shock | 160 G |
| Wi-Fi | ✓ | Operating vibration | 0.66 G |
| Wi-Fi standards | 802.11b, 802.11g, Wi-Fi 4 (802.11n) | Non-operating vibration | 1.3 G |
| Ethernet LAN connection | ✓ | | |

| Network | | Sustainability | |
|---|--------------------|----------------------------------|-------------|
| Ethernet LAN data rates | 10,100 Mbit/s | Sustainability certificates | ENERGY STAR |
| Bluetooth | ✓ | Weight & Dimensions | |
| Bluetooth version | 4.0 | Width | 376 mm |
| Ports & interfaces | | Depth | 259 mm |
| USB 2.0 ports quantity * | 2 | Height (front) | 2.48 cm |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | Height (rear) | 2.76 cm |
| Ethernet LAN (RJ-45) ports quantity | 1 | Weight * | 2.2 kg |
| HDMI ports quantity * | 1 | Packaging Content | |
| DVI port | ✗ | AC adapter bundled * | ✓ |
| S/PDIF out port | ✗ | Manual | ✓ |
| Microphone in | ✗ | Power cord included | ✓ |
| Combo headphone/mic port | ✓ | Other features | |
| Docking connector | ✗ | Maximum internal memory (64-bit) | 8 GB |
| ExpressCard slot | ✗ | Intel segment tagging | Home office |
| CardBus PCMCIA slot type | ✗ | | |
| SmartCard slot | ✗ | | |
| Performance | | | |
| Motherboard chipset | Intel HM67 Express | | |
| Keyboard | | | |
| Pointing device | Touchpad | | |
| Numeric keypad * | ✓ | | |
| Full-size keyboard | ✓ | | |
| Windows keys | ✓ | | |

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