DELL

DELL Inspiron 3421 Intel® Celeron® 1017U Laptop 35,6 cm (14") 2 GB DDR3-SDRAM 320 GB HDD FreeDOS Black

Brand : DELL   **Product family:** Inspiron   **Product code:** 14-N3421-V4C3203

Product name : 3421

Intel Celeron Processor 1017U (2M Cache, 1.60 GHz), Intel HM76, 2GB DDR3, 320GB SATA HDD, 14" HD Truelife 1366 x 768, DVD Super Multi, Fast LAN, WLAN, Bluetooth, WebCam, FreeDOS
DELL Inspiron 3421. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Celeron®, Processor model: 1017U, Processor frequency: 1,6 GHz. Display diagonal: 35,6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 2 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 320 GB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics. Operating system installed: FreeDOS. Product colour: Black

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell

Display

Display diagonal *	35,6 cm (14")
Display resolution *	1366 x 768 pixels
Touchscreen *	✘
HD type	Not supported
LED backlight	✔
Native aspect ratio	16:9
Display surface	Matt

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Celeron®
Processor model *	1017U
Processor cores	2
Processor threads	2
Processor frequency *	1,6 GHz
System bus rate	5 GT/s
Processor cache	2 MB
Processor cache type	L3
Processor socket	BGA 1023
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Celeron 1000 series for Mobile
Processor codename	Ivy Bridge
Bus type	DMI
FSB Parity	✘

Keyboard

Windows keys	✔

Software

Drivers included	✔
Operating system installed *	FreeDOS

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	✘
Intel® Insider™	✘
Intel® Quick Sync Video Technology	✘
Intel Flex Memory Access	✔
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✘
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔

Processor

Stepping	P0
Thermal Design Power (TDP)	17 W
Tjunction	105 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	2.0
PCI Express configurations	1x16, 2x8, 1x8+2x4
ECC supported by processor	✗

Memory

Internal memory *	2 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1333 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 2 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	320 GB
Storage media *	HDD
Number of hard drives installed	1
Hard drive capacity	320 GB
Hard drive interface	SATA
Hard drive speed	5400 RPM
Optical drive type *	DVD Super Multi
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC, Memory Stick (MS), MS PRO, MSXC, MMC, MMC+

Graphics

Discrete graphics card model *	Not available
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	350 MHz
On-board graphics card dynamic frequency (max)	1000 MHz

Audio

Audio system	Waves MaxxAudio 4
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	0,92 MP
Front camera resolution	1280 x 720 pixels

Network

Wi-Fi	✔
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100 Mbit/s
Bluetooth	✔

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1

Processor special features

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	31 x 24 mm
Supported instruction sets	SSE4.1, SSE4.2
Processor code	SR10A
CPU configuration (max)	1
Embedded options available	✗
Graphics & IMC lithography	22 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	75192
Conflict-Free processor	✔
Integrated 4G WiMAX	✗

Battery

Battery technology	Lithium-Ion (Li-Ion)

Power

AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output voltage	19.5 V
DC-in jack	✔

Security

Cable lock slot	✔
Password protection	✔

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	5 - 90%
Operating altitude	-15,2 - 3048 m
Non-operating altitude	-15,2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0,66 G
Non-operating vibration	1,3 G

Weight & dimensions

Width	346 mm
Depth	245 mm
Height	25,4 mm
Weight *	1,99 kg

Packaging content

AC adapter included *	✔
Cables included	AC

Ports & interfaces

HDMI ports quantity *	1
HDMI version	1.4a
DVI port	✘
S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✘
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘

Performance

Motherboard chipset	Intel HM76 Express

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘

Packaging content

Manual	✔
Quick start guide	✔
Warranty card	✔

Other features

Disc types supported	CD, DVD
3D	✘
Maximum internal memory (64-bit)	8 GB
Intel® Virtualization Technology (Intel® VT)	VT-x
Intel segment tagging	Home office

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