DELL Inspiron 3647 Intel® Core™ i5 i5-4460 8 GB DDR3-SDRAM 1 TB HDD Windows 8.1 Small Desktop PC Black

Brand : DELL

Product family: Inspiron

Article code: I3647-4616BLK

Product name : 3647

Inspiron 3647 - Intel Core i5-4460 (6M Cache, up to 3.40 GHz), 8GB DDR3 1600MHz, 1TB HDD 7200rpm, H81, Intel HD Graphics 4600, Gigabit Ethernet, 802.11 b/g/n, Bluetooth 4.0, Windows 8.1 64-bit
DELL Inspiron 3647. Processor frequency: 3.2 GHz, Processor family: Intel® Core™ i5, Processor model: i5-4460. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 4600. Operating system installed: Windows 8.1, Operating system architecture: 64-bit. Power supply: 220 W. Chassis type: Small Desktop. Product type: PC. Product color: Black

Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Small Business Advantage (Intel® SBA)	✗
Processor family *	Intel® Core™ i5	Intel® Wireless Display (Intel® WiDi)	✔
Processor generation	4th gen Intel® Core™ i5		
Processor model *	i5-4460	Intel 64	✔
Processor cores	4	Enhanced Intel SpeedStep Technology	✔
Processor threads	4		
Processor boost frequency	3.4 GHz	Embedded options available	✗
Processor frequency *	3.2 GHz	Intel® InTru™ 3D Technology	✔
Processor socket	LGA 1150 (Socket H3)	Intel® Insider™	✔
Processor cache	6 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Processor cache type	Smart Cache		
System bus rate	5 GT/s		
Bus type	DMI	Intel Clear Video Technology	✗
FSB Parity	✗	Intel VT-x with Extended Page Tables (EPT)	✔
Processor lithography	22 nm		
Processor operating modes	32-bit, 64-bit	Intel TSX-NI	✗
Processor series	Intel Core i5-4400 Desktop series	Idle States	✔
Processor codename	Haswell	Thermal Monitoring Technologies	✔
Thermal Design Power (TDP)	84 W	Intel Stable Image Platform Program (SIPP)	✗
Tcase	72.72 °C		
PCI Express slots version	3.0	Intel® AES New Instructions (Intel® AES-NI)	✔
Maximum number of PCI Express lanes	16	Intel® Secure Key	✔
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® OS Guard	✔
Number of processors installed	1	Intel Trusted Execution Technology	✗
Stepping	C0	Execute Disable Bit	✔
Maximum internal memory supported by processor	32 GB	Intel FDI Technology	✔
Memory types supported by processor	DDR3-SDRAM	Intel Flex Memory Access	✗
		Intel Fast Memory Access	✗

Processor

Memory clock speeds supported by processor	1333,1600 MHz
Memory bandwidth supported by processor (max)	25.6 GB/s
ECC supported by processor	✗

Memory

Internal memory *	8 GB
Maximum internal memory *	16 GB
Internal memory type	DDR3-SDRAM
Memory slots	2x DIMM
Memory clock speed	1600 MHz
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	1 TB
Card reader integrated	✔
Compatible memory cards	Memory Stick (MS), MMC, MMC+, MS PRO, SD, SDHC, SDXC, xD

Graphics

On-board graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4600
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	1.024 GB
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	11.1
On-board graphics card ID	0x412

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 4 (802.11n)
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 2.0 ports quantity *	6
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
VGA (D-Sub) ports quantity	1
DVI port	✗
HDMI ports quantity *	1
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔

Design

Chassis type *	Small Desktop

Processor special features

Intel® Smart Cache	✔
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✗
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX 2.0
Processor code	SR1QK
Scalability	1S
CPU configuration (max)	1
Graphics & IMC lithography	22 nm
Thermal solution specification	PCG 2013D
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Small Business Advantage (SBA) version	1.00
Intel TSX-NI version	0.00
Intel Dual Display Capable Technology	✗
Intel Rapid Storage Technology	✗
Processor ARK ID	80817
Intel® Smart Response Technology	✗
Intel® Rapid Start Technology	✗
Intel® Turbo Boost Technology	2.0
Intel Smart Connect Technology	✗
Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Intel® Quick Sync Video Technology	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Conflict-Free processor	✔

Power

Power supply *	220 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50 - 60 Hz

Operational conditions

Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-10 - 45 °C
Operating relative humidity (H-H)	20 - 80%
Operating altitude	-598.4 - 120000" (-15.2 - 3048 m)
Non-operating altitude	-598.4 - 420000" (-15.2 - 10668 m)

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width *	3.94" (100 mm)
Depth *	13.7" (347.8 mm)
Height *	10.4" (265 mm)
Weight *	13.2 lbs (6 kg)

Design

Placement supported	Vertical
Water cooling system	✘
Number of 3.5" bays	1
Number of 5.25" bays	1
Product color *	Black

Performance

Motherboard chipset	Intel® H81
Audio system	HD
Audio output channels	5.1 channels
Password protection	✔
Password protection type	BIOS
Product type *	PC

Software

Operating system architecture	64-bit
Operating system installed *	Windows 8.1
Drivers included	✔

Packaging content

Mouse included	✘
Keyboard included	✘
Cables included	AC
Manual	✔

Display

Display included *	✘

Other features

Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x

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