ALIENWARE

Alienware X51 R2 Intel® Core™ i5 i5-4440 8 GB DDR3-SDRAM 2 TB HDD NVIDIA® GeForce® GTX 645 Windows 8 PC Svart

Märke : Alienware   **Produktkod:** X51-44821G-W8

Product name : X51 R2

Intel Core i5-4440 Processor (6M Cache, up to 3.30 GHz), Intel H87, 8GB DDR3 1600MHz, 2TB SATA HDD, nVidia GeForce GTX 645 1GB GDDR5, DVD Super Multi DL, Gigabit LAN, WLAN, Windows 8 64-bit Alienware X51 R2. Processorfrekvens: 3,1 GHz, Processorfamilj: Intel® Core™ i5, Processor: i5-4440. Internminne: 8 GB, Typ av internminne: DDR3-SDRAM, Minne klockhastighet: 1600 MHz. Total lagringskapacitet: 2 TB, Lagringsmedia: HDD, Optisk enhetstyp: DVD Super Multi DL. Ombord grafikkort modell: Intel® HD Graphics 4600, Diskret grafikkortsmodell: NVIDIA® GeForce® GTX 645. Installerat operativsystem: Windows 8, Operativsystemets systemarkitektur: 64-bit. Produkttyp: PC. Produktens färg: Svart

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	4th gen Intel® Core™ i5
Processor model *	i5-4440
Processor cores	4
Processor threads	4
Processor boost frequency	3.3 GHz
Processor frequency *	3.1 GHz
Processor socket	LGA 1150 (Socket H3)
Processor cache	6 MB
Processor cache type	Smart Cache
System bus rate	5 GT/s
Bus type	DMI2
FSB Parity	✘
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-4400 Desktop series
Processor codename	Haswell
Thermal Design Power (TDP)	84 W
Tcase	72.72 °C
PCI Express slots version	3.0
Maximum number of PCI Express lanes	16
PCI Express configurations	1x16, 2x8, 1x8+2x4

Performance

Audio output channels	7.1 channels
Password protection	✔
Product type *	PC

Software

Operating system installed *	Windows 8
Operating system architecture	64-bit
Drivers included	✔

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✘
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✘
Idle States	✔

Processor

Number of processors installed	1
Number of QPI links	1
Stepping	C0
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
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
Non-ECC	✔
Memory channels	Dual-channel

Storage

Total storage capacity *	2 TB
Storage media *	HDD
Optical drive type *	DVD Super Multi DL
Number of HDDs installed	1
HDD capacity	2 TB
HDD interface	SATA
HDD speed	7200 RPM

Graphics

On-board graphics card *	✔
Discrete graphics card model *	NVIDIA® GeForce® GTX 645
Discrete graphics card memory	1 GB
Discrete graphics memory type	GDDR5
Number of discrete graphics cards	1
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	1.74 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)

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
DVI port	✘
HDMI ports quantity *	1

Processor special features

Thermal Monitoring Technologies	✔
Intel Stable Image Platform Program (SIPP)	✘
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Trusted Execution Technology	✘
Execute Disable Bit	✔
Intel FDI Technology	✔
Intel Flex Memory Access	✘
Intel Fast Memory Access	✘
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, SSE4.1, SSE4.2
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	75038
Intel® Turbo Boost Technology	2.0
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 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	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m

Weight & dimensions

Width *	95 mm

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔
S/PDIF out port	✔

Design

Placement supported	Horizontal/Vertical
Water cooling system	✘
Product colour *	Black

Performance

Motherboard chipset	Intel® H87
Audio system	HD

Weight & dimensions

Depth *	318 mm
Height *	343 mm
Weight *	5.49 kg

Packaging content

Mouse included	✔
Keyboard included	✔
Manual	✔

Display

Display included *	✘

Other features

Optical drives quantity	1