

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		Performance	
Processor manufacturer *	Intel	Audio output channels	7.1 channels
Processor family *	Intel® Core™ i5	Password protection	✓
Processor generation	4th gen Intel® Core™ i5	Product type *	PC
Processor model *	i5-4440	Software	
Processor cores	4	Operating system installed *	Windows 8
Processor threads	4	Operating system architecture	64-bit
Processor boost frequency	3.3 GHz	Drivers included	✓
Processor frequency *	3.1 GHz	Processor special features	
Processor socket	LGA 1150 (Socket H3)	Intel® Wireless Display (Intel® WiDi)	✓
Processor cache	6 MB	Intel 64	✓
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
System bus rate	5 GT/s	Embedded options available	✗
Bus type	DMI2	Intel® InTru™ 3D Technology	✓
FSB Parity	✗	Intel® Insider™	✓
Processor lithography	22 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✗
Processor series	Intel Core i5-4400 Desktop series	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Haswell	Intel TSX-NI	✗
Thermal Design Power (TDP)	84 W	Idle States	✓
Tcase	72.72 °C		
PCI Express slots version	3.0		
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 2x8, 1x8+2x4		

Processor		Processor special features	
Number of processors installed	1	Thermal Monitoring Technologies	✓
Number of QPI links	1	Intel Stable Image Platform Program (SIPP)	✗
Stepping	C0	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum internal memory supported by processor	32 GB	Intel® Secure Key	✓
Memory types supported by processor	DDR3-SDRAM	Intel® OS Guard	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel Trusted Execution Technology	✗
Memory bandwidth supported by processor (max)	25.6 GB/s	Execute Disable Bit	✓
ECC supported by processor	✗	Intel FDI Technology	✓
Memory		Intel Flex Memory Access	✗
Internal memory *	8 GB	Intel Fast Memory Access	✗
Maximum internal memory *	16 GB	Intel Enhanced Halt State	✓
Internal memory type	DDR3-SDRAM	Intel Demand Based Switching	✗
Memory slots	2x DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1600 MHz	Processor package size	37.5 x 37.5 mm
Non-ECC	✓	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory channels	Dual-channel	Scalability	15
Storage		CPU configuration (max)	1
Total storage capacity *	2 TB	Graphics & IMC lithography	22 nm
Storage media *	HDD	Thermal solution specification	PCG 2013D
Optical drive type *	DVD Super Multi DL	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of HDDs installed	1	Intel Identity Protection Technology version	1.00
HDD capacity	2 TB	Intel Stable Image Platform Program (SIPP) version	0.00
HDD interface	SATA	Intel Secure Key Technology version	1.00
HDD speed	7200 RPM	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel Small Business Advantage (SBA) version	1.00
On-board graphics card *	✓	Intel TSX-NI version	0.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 645	Intel Dual Display Capable Technology	✗
Discrete graphics card memory	1 GB	Intel Rapid Storage Technology	✗
Discrete graphics memory type	GDDR5	Processor ARK ID	75038
Number of discrete graphics cards	1	Intel® Turbo Boost Technology	2.0
On-board graphics card family	Intel® HD Graphics	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel® Quick Sync Video Technology	✓
On-board graphics card base frequency	350 MHz	Intel® My WiFi Technology (Intel® MWT)	✓
On-board graphics card dynamic frequency (max)	1100 MHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Maximum on-board graphics card memory	1.74 GB	Intel® Anti-Theft Technology (Intel® AT)	✓
Number of displays supported (on-board graphics)	3	Conflict-Free processor	✓
On-board graphics card DirectX version	11.1	Power	
On-board graphics card ID	0x412	Power supply input voltage	100 - 240 V
Network		Power supply input frequency	50 - 60 Hz
Ethernet LAN *	✓	Operational conditions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Operating temperature (T-T)	10 - 35 °C
Cabling technology	10/100/1000Base-T(X)	Storage temperature (T-T)	-10 - 45 °C
Wi-Fi *	✓	Operating relative humidity (H-H)	20 - 80%
Top Wi-Fi standard	Wi-Fi 4 (802.11n)	Operating altitude	-15.2 - 3048 m
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Non-operating altitude	-15.2 - 10668 m
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	2	Width *	95 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6		
DVI port	✗		
HDMI ports quantity *	1		

Ports & interfaces		Weight & dimensions	
Ethernet LAN (RJ-45) ports	1	Depth *	318 mm
Microphone in	✓	Height *	343 mm
Headphone outputs	1	Weight *	5.49 kg
Line-out	✓	Packaging content	
Line-in	✓	Mouse included	✓
S/PDIF out port	✓	Keyboard included	✓
Design		Manual	✓
Placement supported	Horizontal/Vertical	Display	
Water cooling system	✗	Display included *	✗
Product colour *	Black	Other features	
Performance		Optical drives quantity	1
Motherboard chipset	Intel® H87		
Audio system	HD		

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