ALIENWARE

Alienware Area-51 Intel® Core™ i7 X-series i7-5930K 16 GB DDR4-SDRAM 4.26 TB HDD+SSD NVIDIA® GeForce® GTX 970 Windows 10 Home Tower PC Black, Silver

Brand : Alienware

Product name : Area-51

Product code: DPCWC03BC

Intel Core i7-5930K (15M Cache, 3.50 GHz), 16GB DDR4 2133MHz, 4TB SATA HDD, 256GB SSD, Dual nVidia GeForce GTX 970 4GB, DVD Super Multi DL, Gigabit LAN, WLAN, Bluetooth, Windows 10 Home 64-bit

Alienware Area-51. Processor frequency: 3.5 GHz, Processor family: Intel® Core™ i7 X-series, Processor model: i7-5930K. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2133 MHz. Total storage capacity: 4.26 TB, Storage media: HDD+SSD, Optical drive type: DVD Super Multi DL. Discrete graphics card model: NVIDIA® GeForce® GTX 970. Operating system installed: Windows 10 Home, Operating system architecture: 64-bit. Power supply: 850 W. Chassis type: Tower. Product type: PC

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7 X-series
Processor generation	5th gen Intel® Core™ i7
Processor model *	i7-5930K
Processor cores	6
Processor threads	12
Processor boost frequency	3.7 GHz
Processor frequency *	3.5 GHz
Processor socket	LGA 2011-v3
Processor cache	15 MB
Processor cache type	Smart Cache
System bus rate	0 GT/s
Bus type	QPI
FSB Parity	✘
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-5900 Desktop Series
Processor codename	Haswell E
Thermal Design Power (TDP)	140 W
Tcase	66.8 °C
PCI Express slots version	3.0
Maximum number of PCI Express lanes	40
Number of processors installed	1
Stepping	R2
Maximum internal memory supported by processor	64 GB
Memory types supported by processor	DDR4-SDRAM

Design

Placement supported	Vertical
Cable lock slot	✔
Cable lock slot type	Kensington
Product color *	Black, Silver

Performance

Motherboard chipset	Intel® X99
Audio system	Creative Sound Core 3D
Audio output channels	5.1 channels
Password protection	✔
Product type *	PC

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Home
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	✘

Processor

Memory clock speeds supported by processor	1333,1600,2133 MHz
Memory bandwidth supported by processor (max)	68 GB/s
ECC supported by processor	✘

Memory

Internal memory *	16 GB
Maximum internal memory *	32 GB
Internal memory type	DDR4-SDRAM
Memory layout (slots x size)	4 x 4 GB
Memory slots	4x DIMM
Memory clock speed	2133 MHz
Memory channels	Quad-channel

Storage

Total storage capacity *	4.26 TB
Storage media *	HDD+SSD
Optical drive type *	DVD Super Multi DL
Number of storage drives installed	1
Number of HDDs installed	1
HDD capacity	4 TB
HDD interface	SATA III
HDD speed	7200 RPM
HDD size	3.5"
Number of SSDs installed	1
SSD capacity	256 GB
Card reader integrated	✔
Compatible memory cards	Memory Stick (MS), MMC+, MS PRO, MS PRO Duo, SD, SDHC, SDIO, MMC, SDXC

Graphics

On-board graphics card *	✘
Discrete graphics card model *	NVIDIA® GeForce® GTX 970
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR5
Number of discrete graphics cards	2
On-board graphics card model *	Not available
Graphics card Open GL support	✔
NVIDIA G-SYNC	✔
NVIDIA GameWorks VR	✔
CUDA	✔
CUDA cores	1664
Graphics card HDMI ports quantity	1
Graphics card DisplayPorts quantity	3
Graphics card DVI-I ports quantity	1

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 5 (802.11ac)
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6

Processor special features

Intel VT-x with Extended Page Tables (EPT)	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
Execute Disable Bit	✔
Intel HD Graphics	✘
Intel FDI Technology	✘
Intel Flex Memory Access	✘
Intel Fast Memory Access	✘
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	52.5 x 45.0 mm
Supported instruction sets	SSE4.2, AVX 2.0, AES
Processor code	SR20R
Scalability	1S
CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Smart Response Technology version	1.00
Intel Dual Display Capable Technology	✘
Intel Rapid Storage Technology	✘
Processor ARK ID	82931
Intel® Smart Response Technology	✔
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 *	850 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50 - 60 Hz

Operational conditions

Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	-15.24 - 3048 m
Non-operating altitude	-15.24 - 10668 m

Weight & dimensions

Width *	639 mm

Ports & interfaces

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

Expansion slots

PCI Express x1 (Gen 2.x) slots	1
PCI Express x4 (Gen 2.x) slots	1
PCI Express x16 (Gen 3.x) slots	3

Design

Chassis type *	Tower

Weight & dimensions

Depth *	272.7 mm
Height *	569.2 mm
Weight *	28 kg

Packaging content

Mouse included	✘
Keyboard included	✘
Cables included	AC
Manual	✔
AC adapter included	✔

Display

Display included *	✘

Other features

Optical drives quantity	1
Intel® Virtualization Technology (Intel® VT)	VT-x, VT-d

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