



## MSI Nightblade X2B-090EU Intel® Core™ i7 i7-6700 8 GB DDR4-SDRAM 1,13 TB HDD+SSD NVIDIA® GeForce® GTX 980 Windows 10 Home Workstation Black, Red

**Brand :** MSI

**Product family:** Nightblade

**Article code:** 956-B10611-090

**Product name :** X2B-090EU

MSI Nightblade X2B-090EU. Processor frequency: 3,4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-6700. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1,13 TB, Storage media: HDD+SSD, Optical drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 530, Discrete graphics card model: NVIDIA® GeForce® GTX 980. Wi-Fi. Operating system installed: Windows 10 Home. Product type: Workstation. Weight: 10 kg. Product color: Black, Red



Processor		Design	
Processor manufacturer *	Intel	Product colour *	Black, Red
Processor family *	Intel® Core™ i7	Performance	
Processor generation	6th gen Intel® Core™ i7	Audio system	NAHIMIC HD
Processor model *	i7-6700	Audio output channels	7.1 channels
Processor cores	4	Product type *	Workstation
Processor threads	8	Software	
Processor boost frequency	4 GHz	Operating system installed *	Windows 10 Home
Processor frequency *	3.4 GHz	Processor special features	
Processor socket	LGA 1151 (Socket H4)	Intel® Small Business Advantage (Intel® SBA)	✓
Processor cache	8 MB	Intel® Wireless Display (Intel® WiDi)	✓
Processor cache type	Smart Cache	Intel 64	✓
System bus rate	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Bus type	DMI3	Embedded options available	✓
FSB Parity	✗	Intel® InTru™ 3D Technology	✓
Processor lithography	14 nm	Intel® Insider™	✓
Processor operating modes	64-bit	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor series	Intel Core i7-6700 Desktop series	Intel Clear Video Technology	✓
Processor codename	Skylake	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	65 W	Intel TSX-NI	✓
Tcase	71 °C	Idle States	✓
PCI Express slots version	3.0	Thermal Monitoring Technologies	✓
Maximum number of PCI Express lanes	16	Intel Stable Image Platform Program (SIPP)	✓
PCI Express configurations	2x8, 1x8+2x4, 1x16	Intel® AES New Instructions (Intel® AES-NI)	✓
Number of processors installed	1	Intel® Secure Key	✓
Stepping	R0	Intel® OS Guard	✓
Maximum internal memory supported by processor	64 GB		
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM		
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz		
Memory bandwidth supported by processor (max)	34.1 GB/s		

Processor		Processor special features	
ECC supported by processor	✗	Intel Trusted Execution Technology	✓
Memory voltage supported by processor	1.35 V	Execute Disable Bit	✓
Memory		Intel FDI Technology	✗
Internal memory *	8 GB	Intel Flex Memory Access	✗
Maximum internal memory *	32 GB	Intel Fast Memory Access	✗
Internal memory type	DDR4-SDRAM	Intel Enhanced Halt State	✓
Memory channels	Dual-channel	Intel Demand Based Switching	✗
Storage		Intel Software Guard Extensions (Intel SGX)	✓
Total storage capacity *	1.13 TB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Storage media *	HDD+SSD	Processor package size	37.5 x 37.5 mm
Optical drive type *	DVD Super Multi DL	Supported instruction sets	SSE4.1, AVX 2.0, SSE4.2
HDD capacity	1 TB	Processor code	SR2BT
SSD capacity	128 GB	Scalability	1S
Graphics		CPU configuration (max)	1
On-board graphics card *	✓	Graphics & IMC lithography	14 nm
Discrete graphics card model *	NVIDIA® GeForce® GTX 980	Thermal solution specification	PCG 2015C
Discrete graphics card memory	4 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card family	Intel® HD Graphics	Intel Identity Protection Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 530	Intel Stable Image Platform Program (SIPP) version	1.00
On-board graphics card base frequency	350 MHz	Intel Secure Key Technology version	1.00
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	1.74 GB	Intel Small Business Advantage (SBA) version	1.00
Number of displays supported (on-board graphics)	3	Intel TSX-NI version	1.00
On-board graphics card DirectX version	12.0	Intel Dual Display Capable Technology	✗
On-board graphics card OpenGL version	4.4	Intel Rapid Storage Technology	✗
On-board graphics card ID	1912	Processor ARK ID	88196
Graphics card Open GL support	✓	Intel® Turbo Boost Technology	2.0
Network		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Ethernet LAN *	✓	Intel® Quick Sync Video Technology	✓
Ethernet LAN data rates	1000 Mbit/s	Intel® My WiFi Technology (Intel® MWT)	✗
Wi-Fi *	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Intel® Anti-Theft Technology (Intel® AT)	✗
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Conflict-Free processor	✓
Bluetooth	✓	Weight & dimensions	
Bluetooth version	4.1	Width *	175 mm
Ports & interfaces		Depth *	440 mm
USB 2.0 ports quantity *	4	Height *	280 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Weight *	10 kg
DVI port	✓	Packaging content	
HDMI ports quantity *	1	Display included *	✗
HDMI version	1.4a	Other features	
DisplayPorts quantity	3	Optical drives quantity	1
Ethernet LAN (RJ-45) ports	1		
Microphone in	✗		
Headphone outputs	1		



4719072449797

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 31-DEC-2024. Prints or copies of Information are only valid on the printed Publication date