



## MSI Nightblade X2-086EU Intel® Core™ i7 i7-6700K 8 GB DDR4-SDRAM 2,26 TB HDD+SSD NVIDIA® GeForce® GTX 970 Windows 10 Home Desktop PC Black, Red

**Brand :** MSI

**Product family:** Nightblade

**Article code:** NIGHTBLADE  
X2-086EU

**Product name :** X2-086EU

MSI Nightblade X2-086EU. Processor frequency: 4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-6700K. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2133 MHz. Total storage capacity: 2,26 TB, Storage media: HDD+SSD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 530, Discrete graphics card model: NVIDIA® GeForce® GTX 970. Operating system installed: Windows 10 Home, Operating system architecture: 64-bit. Power supply: 500 W. Product type: PC



Processor		Ports & interfaces	
Processor manufacturer *	Intel	PS/2 ports quantity	1
Processor family *	Intel® Core™ i7	Ethernet LAN (RJ-45) ports	1
Processor generation	6th gen Intel® Core™ i7	Microphone in	✓
Processor model *	i7-6700K	Headphone outputs	1
Processor cores	4	Line-out	✓
Processor threads	8	Line-in	✓
Processor boost frequency	4.2 GHz	S/PDIF out port	✓
Processor frequency *	4 GHz		
Processor socket	LGA 1151 (Socket H4)		
Processor cache	8 MB		
Processor cache type	Smart Cache		
System bus rate	8 GT/s		
Bus type	DMI2		
FSB Parity	✗		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-6700 Desktop series		
Processor codename	Skylake		
Thermal Design Power (TDP)	91 W		
Tcase	64 °C		
PCI Express slots version	3.0		
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
Number of processors installed	1		
Stepping	R0		
Maximum internal memory supported by processor	64 GB		
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM		
Memory clock speeds supported by processor	1600,2133 MHz		
Memory bandwidth supported by processor (max)	34.2 GB/s		
		Design	
		Chassis type *	Desktop
		Water cooling system	✗
		Product colour *	Black, Red
		Performance	
		Motherboard chipset	Intel® Z170
		Product type *	PC
		Software	
		Operating system installed *	Windows 10 Home
		Operating system architecture	64-bit
		Processor special features	
		Intel® Small Business Advantage (Intel® SBA)	✗
		Intel® Wireless Display (Intel® WiDi)	✓
		Intel 64	✓
		Enhanced Intel SpeedStep Technology	✓
		Embedded options available	✗
		Intel® Built-in Visuals Technology	✓
		Intel® InTru™ 3D Technology	✓
		Intel® Insider™	✓
		Intel® Clear Video HD Technology (Intel® CVT HD)	✓

Processor		Processor special features	
ECC supported by processor	✗	Intel Clear Video Technology	✓
Memory voltage supported by processor	1.35 V	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel TSX-NI	✓
Internal memory *	8 GB	Idle States	✓
Maximum internal memory *	32 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✗
Memory slots	2x DIMM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory clock speed	2133 MHz	Intel® Secure Key	✓
Memory channels	Dual-channel	Intel® OS Guard	✓
Storage		Intel Trusted Execution Technology	✗
Total storage capacity *	2.26 TB	Execute Disable Bit	✓
Storage media *	HDD+SSD	Intel HD Graphics	✓
Optical drive type *	DVD Super Multi	Intel FDI Technology	✗
Number of storage drives installed	2	Intel Flex Memory Access	✗
Number of HDDs installed	1	Intel Fast Memory Access	✓
HDD capacity	2 TB	Intel® Smart Cache	✓
Number of SSDs installed	1	Intel Software Guard Extensions (Intel SGX)	✓
SSD capacity	256 GB	Processor package size	37.5 x 37.5 mm
Card reader integrated	✗	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Graphics		Scalability	15
On-board graphics card *	✓	CPU configuration (max)	1
Discrete graphics card model *	NVIDIA® GeForce® GTX 970	Graphics & IMC lithography	14 nm
Discrete graphics card memory	4 GB	Thermal solution specification	PCG 2015D
Discrete graphics memory type	GDDR5	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	0.00
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	1.7 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	Processor ARK ID	88195
On-board graphics card ID	1912	Intel® Turbo Boost Technology	2.0
Graphics card Open GL support	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
NVIDIA G-SYNC	✓	Intel® Quick Sync Video Technology	✓
NVIDIA GameWorks VR	✓	Intel® My WiFi Technology (Intel® MWT)	✓
Graphics card HDMI ports quantity	1	Intel® Identity Protection Technology (Intel® IPT)	✓
Graphics card DisplayPorts quantity	3	Intel® Anti-Theft Technology (Intel® AT)	✓
Graphics card DVI-I ports quantity	1	Conflict-Free processor	✓
Network		Power	
Ethernet LAN *	✓	Power supply *	500 W
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability	
Wi-Fi *	✓	Sustainability certificates	EPEAT Silver
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Weight & dimensions	
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Width *	175.7 mm
Ports & interfaces		Depth *	345.8 mm
USB 2.0 ports quantity *	4		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4		
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1		

Ports & interfaces		Weight & dimensions	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Height *	277.3 mm
DVI port	×	Weight *	10 kg
HDMI ports quantity *	1	Packaging content	
DisplayPorts quantity	1	Display included *	×
		Mouse included	×
		Keyboard included	×
		Other features	
		Optical drives quantity	1



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