

Intel BLKDC53427HYE PC/workstation barebone UCCF Black Intel® QS77 Express BGA 1023 i5-3427U 1.8 GHz

Brand : Intel

Product code: BLKDC53427HYE

Product name : BLKDC53427HYE

NUC Kit DC53427HYE

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A revolution in ultra-compact device design, Intel® NUC packages a fully scalable, computing solution in the smallest possible form factor, complete with the Intel® Core™ i5 vPro™ processor. This new generation computing device provides a flexible, customizable engine to drive digital signage, kiosks, and intelligent computing for small spaces, or anywhere else you can imagine.

Intel® NUC also has triple display capabilities for multiple monitoring and display, along with Intel® vPro™ technology which lets your IT service provider remotely manage or repair your system. With that kind of power and size, you'll rethink what's possible. Because the only thing more amazing than Intel® technology is what you'll do with it.



Processor		Performance	
Built-in processor *	✓	BIOS memory size	128 Mbit
Processor manufacturer	Intel	Back-to-BIOS button	✗
Processor family	Intel® Core™ i5	Trusted Platform Module (TPM)	✓
Processor generation	3rd gen Intel® Core™ i5	Trusted Platform Module (TPM) version	1.2
Processor model	i5-3427U	Audio output channels	7.1 channels
Processor frequency	1.8 GHz	Consumer infrared Rx sensor	✗
Processor cores	2	Compatible operating systems	Windows Web Server 2008 R2* Windows Server 2012 R2* Windows 8.1, 64-bit* Windows 8.1, 32-bit* Windows 8, 64-bit* Windows 8, 32-bit* Windows 7, 64-bit* Windows 7, 32-bit*
Processor threads	4	Operating system installed	✗
Processor lithography	22 nm	Commodity Classification	
Processor boost frequency	2.8 GHz	Automated Tracking System (CCATS)	740.17B1
Processor cache	3 MB	Export Control Classification Number (ECCN)	5A992C
L3 cache	3 MB		
Thermal Design Power (TDP)	17 W		
Memory bandwidth supported by processor (max)	25.6 GB/s		
Processor codename	Ivy Bridge		
CPU configuration (max)	1		
Memory		Processor special features	
Memory slots type *	SO-DIMM	Intel® vPro™ Platform Eligibility	✓
Number of memory slots *	2	Intel® High Definition Audio (Intel® HD Audio)	✓
Number of DIMM slots	2	Embedded options available	✗
Maximum internal memory	16 GB	Intel Dual Display Capable Technology	✓
Supported memory clock speeds	1066,1333,1600 MHz	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Supported memory types	DDR3-SDRAM	Intel Rapid Storage Technology	✓
Memory channels	Dual-channel	Intel® Anti-Theft Technology (Intel® AT)	✓
Memory bandwidth (max)	25.6 GB/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory voltage	1.35,1.5 V	Intel® Quick Sync Video Technology	✓
ECC	✗	Intel® InTru™ 3D Technology	✓
Storage		Intel® Insider™	✓
Supported storage drive types *	SSD	Intel® Wireless Display (Intel® WiDi)	✓
SSD form factor	mSATA	Intel FDI Technology	✓
Storage drive interface	mSATA	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Number of storage drives supported	1		
Graphics			
On-board graphics card *	✓		
Graphics card family	Intel		

Graphics		Processor special features	
On-board graphics card model	Intel® HD Graphics 4000	Intel® Turbo Boost Technology	2.0
Number of displays supported	3	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Network		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Ethernet LAN *	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Wi-Fi *	✗	Intel 64	✓
Networking features	Gigabit Ethernet	Intel® My WiFi Technology (Intel® MWT)	✓
Bluetooth	✗	Idle States	✓
Ports & interfaces		Enhanced Intel SpeedStep Technology	✓
USB 2.0 ports quantity *	4	Intel Demand Based Switching	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Thermal Monitoring Technologies	✓
HDMI ports quantity *	1	Intel Fast Memory Access	✓
HDMI version	1.4a	Intel Flex Memory Access	✓
Mini DisplayPorts quantity	1	Intel® Identity Protection Technology (Intel® IPT)	✓
DisplayPort version	1.1a	Intel Trusted Execution Technology	✓
Ethernet LAN (RJ-45) ports *	1	Execute Disable Bit	✓
Serial port via internal header	✗	Intel® Smart Cache	✓
USB ports quantity	5	Intel Express BIOS update	✓
Graphics output	2 x mDP/1 x HDMI	Intel® Secure Key	✓
DC-in jack	✓	Intel Virtualization Technology (VT-x)	✓
Expansion slots		Logistics data	
PCI Express slots version	2.0	Harmonized System (HS) code	8471500150
Mini PCI Express slots	2	Power	
Mini PCI Express slot (half-length)	1	Power supply type *	External AC adapter
Mini PCI Express slot (full length)	1	Power supply	65 W
PCI Express configurations	1x16, 2x8, 1x8+2x4	Number of power supply units	1
Design		AC adapter output voltage	19 V
Chassis type *	UCFF	Operational conditions	
Product colour *	Black	Operating temperature (T-T)	0 - 50 °C
Cooling type *	Active	Storage temperature (T-T)	-20 - 70 °C
LED indicators	HDD, Power, Reset	Weight & dimensions	
PC health monitoring	Temperature	Width	116.6 mm
Product type *	Mini PC barebone	Depth	112 mm
Status	Discontinued	Height	39 mm
ARK ID	74483	Packaging content	
Product family	Intel NUC	Power cord included	✓
Product series	Intel NUC kit	AC adapter included	✓
Certification	UL 60950-1, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, FCC CFR Title 47, Chapter I, Part 15, Subparts A, B, ICES-003, EN 55022, EN 55024, VCCI V-3, V-4, KN-22, KN-24, CNS 13438, CISPR 22, RoHS	Quick start guide	✓
Performance		Processor included	Intel® Core™ i5-3427U Processor (3M Cache, up to 2.80 GHz)
Motherboard form factor	UCFF	Other features	
Motherboard chipset	Intel® QS77 Express	Power management	✓
Processor socket	BGA 1023	Launch date	Q2'13
Number of processors supported	1	DC input voltage	19 V
Compatible processor series	Intel® Core™ i5		
Supported processor frequency (max)	2.8 GHz		
BIOS type	EEPROM		



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