

Intel BLKNUC7I5DNBE motherboard BGA 1356 UCFF

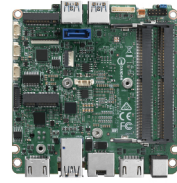
Brand : Intel

Product code: BLKNUC7I5DNBE

Product name : BLKNUC7I5DNBE

Bulk NUC Board NUC7I5DNBE

Intel BLKNUC7I5DNBE. Processor manufacturer: Intel, Processor socket: BGA 1356, Compatible processor series: Intel® Core™ i5. Supported memory types: DDR4-SDRAM, Maximum internal memory: 32 GB, Memory slots type: SO-DIMM. Supported storage drive interfaces: SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1. Graphics card family: Intel, Maximum resolution: 4096 x 2160 pixels. HDMI version: 2.0a



Processor		Features	
Processor manufacturer *	Intel	Compatible operating systems	Windows 10, 64-bit* Windows 10 IoT Enterprise*
Processor socket *	BGA 1356	Market segment	Desktop
Compatible processor series *	Intel® Core™ i5	Certification	IEC 60950-1 UL 60950-1, EN 60950-1, CAN/CSA-C22.2 No. 60950-1, CISPR 52, FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E, ICES-005, EN 55052, EN 55024, ETSI EN 500 528, ETSI EN 501 489-1, ETSI EN 501 489-17, ETSI EN 501 895, EN 62511, AS/NZS 2772.2, AS/NZS 4268, VCCI V-2, V-5, V-4, KN-52, KN-24, CNS 15458
Maximum number of SMP processors	1		
System bus rate	4 GT/s		
Intel Core i3/i5/i7/i9 series	i5-7xxx		
Lithography	14 nm		
Processor model	i5-7300U		
Processor cores	2		
Maximum internal memory supported by processor	32 GB		
ECC supported by processor	✗		
Product family	Intel NUC		
Product series	Intel NUC board	Expansion slots	
Product codename	Dawson Canyon	PCI Express slots version	3.0
		Number of M.2 (M) slots	1
Memory		BIOS	
Supported memory types *	DDR4-SDRAM	BIOS memory size	16 Mbit
Number of memory slots *	2	Processor special features	
Memory slots type	SO-DIMM	Trusted Platform Module (TPM)	✓
Memory channels	Dual-channel	Intel Trusted Execution Technology	✓
Memory voltage	1.2 V	Intel Rapid Storage Technology	✓
ECC	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Non-ECC	✓	Trusted Platform Module (TPM) version	2.0
Supported memory clock speeds	2133 MHz	Intel ME Firmware Version	11.7
Maximum internal memory *	32 GB	Intel Virtualization Technology (VT-x)	✓
Storage controllers		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Supported storage drive types	HDD & SSD	Intel® Platform Trust Technology (Intel® PTT)	✗
Supported storage drive interfaces *	SATA III	Intel® Optane™ Memory Ready	✓
Number of storage drives supported	2	Operational conditions	
RAID levels	0, 1	Storage temperature (T-T)	-20 - 40 °C
SSD form factor	M.2	Operating temperature (T-T)	-40 - 60 °C
Graphics			
On-board graphics card	✗		
Graphics card family	Intel		

Graphics		Logistics data	
Maximum resolution	4096 x 2160 pixels	Harmonized System (HS) code	84733020
HDCP	✓	Weight & dimensions	
OpenGL version	4.4	Width	101.6 mm
DirectX version	12.0	Depth	101.6 mm
Number of displays supported	3	Packaging content	
Internal I/O		Processor included	Intel® Core™ i5-7300U Processor (3M Cache, up to 3.50 GHz)
USB 2.0 connectors *	2	Other features	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	HDD size	2.5"
Number of SATA III connectors *	2	Maximum internal memory	32768 MB
Number of SATA connectors	2	Number of DIMM slots	2
Total number of SATA connectors	2	Serial port via internal header	✓
Front panel connector	✓	Embedded options available	✓
CPU fan connector	✓	Graphics output	Dual HDMI 2.0a, 4-lane eDP 1.4
Peripheral (Molex) power connectors (4-pin)	1	Embedded DisplayPorts (eDP) quantity	1
Serial port headers	1	Intel® vPro™ Platform Eligibility	✓
Rear panel I/O ports		Additional headers	Front_panel (PWR, RST, 5V, 5Vsby, 3.3Vsby); HDMI_CEC; Internal 2x2 power connector
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Processor lithography	14 nm
Ethernet LAN (RJ-45) ports *	1	Processor family	Intel® Core™ i5
HDMI ports quantity *	2	Processor generation	7th gen Intel® Core™ i5
HDMI version	2.0a	Processor frequency	2.6 GHz
Network		Thermal Design Power (TDP)	15 W
Ethernet LAN	✓	Commodity Classification Automated Tracking System (CCATS)	G157815L2
Ethernet interface type	Gigabit Ethernet	Export Control Classification Number (ECCN)	5A992C
LAN controller	Intel® I219-LM	Motherboard ARK ID	122492
Wi-Fi *	✓	Number of M.2 (E) slots	1
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Technical details	
Bluetooth	✓	Launch date	Q3'17
Bluetooth version	4.2	Product type	Desktop Board
Features		Status	Launched
Audio output channels *	7.1 channels	USB ports quantity	4
Component for *	Mini PC	USB version	2.0/3.2 Gen 1 (3.1 Gen 1)
Motherboard form factor *	UCFF	Maximum memory	32 GB
Motherboard chipset family *	Intel	Supported RAID configuration	2.5" HDD/SSD + M.2 SATA/PCIe SSD (RAID-0 RAID-1)
Power source type	ATX, DC	Last change	63903513
DC input voltage	12 - 24 V	Additional I/O headers	Front_panel (PWR, RST, 5V, 5Vsby, 3.3Vsby); HDMI_CEC; Internal 2x2 power connector
		M.2 card slot (storage)	2280 (M-key)
		M.2 card slot (wireless)	2230 (E-key)
		Processor ID	97472
		Supported storage drives form factor (internal)	M.2 and 2.5" Drive
		Form factor	UCFF (4" x 4")



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