

Intel BLKD54250WYB motherboard NA (integrated CPU) UCFF

Brand : Intel

Product code: BLKD54250WYB

Product name : BLKD54250WYB



NUC Board D54250WYB, Intel Core i5-4250U with active fan heatsink, 2 x SO-DIMM DDR3-1600/1333MHz, 1 x SATA III, 1 x mini DisplayPort 1.2, 1 x mini HDMI 1.4a, Intel HD Audio, Gigabit Ethernet, 1 x PCI Express half-mini card connector, 1 x PCI Express full-mini card connector Intel BLKD54250WYB. Processor manufacturer: Intel, Processor socket: NA (integrated CPU), System bus rate: 5 GT/s. Supported memory types: DDR3L-SDRAM, Maximum internal memory: 16 GB, Memory slots type: SO-DIMM. Supported storage drive interfaces: SATA III, SSD form factor: mSATA. Graphics card family: Intel, Graphics card: HD Graphics 5000. HDMI version: 1.4a

Processor		BIOS	
Processor manufacturer *	Intel	BIOS type *	EFI
Processor socket *	NA (integrated CPU)	BIOS memory size	64 Mbit
Compatible processor series *	Not supported	ACPI version	3.0b
Maximum number of SMP processors	1	Processor special features	
System bus rate	5 GT/s	Intel® Anti-Theft Technology (Intel® AT)	✓
Supported processor sockets	Not supported	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor model	i5-4250U	Trusted Platform Module (TPM)	✗
Processor cores	2	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Maximum internal memory supported by processor	16 GB	Intel Trusted Execution Technology	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Rapid Storage Technology	✓
ECC supported by processor	✗	Intel® Matrix Storage Technology (Intel® MST)	✗
Product family	Intel NUC	Intel® AES New Instructions (Intel® AES-NI)	✓
Product series	Intel NUC board	Intel® High Definition Audio (Intel® HD Audio)	✓
Product codename	Wilson Canyon	Intel Clear Video Technology	✓
Memory		Intel Virtualization Technology (VT-x)	✓
Supported memory types *	DDR3L-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of memory slots *	2	Intel® Platform Trust Technology (Intel® PTT)	✓
Memory slots type	SO-DIMM	Operational conditions	
Memory channels	Dual-channel	Storage temperature (T-T)	-20 - 70 °C
Memory voltage	1.35 V	Operating temperature (T-T)	0 - 50 °C
ECC	✗	Logistics data	
Supported memory clock speeds	1333,1600 MHz	Harmonized System (HS) code	8471500150
Maximum internal memory *	16 GB	Weight & dimensions	
Memory bandwidth (max)	25.6 GB/s	Width	101.6 mm
Storage controllers		Depth	101.6 mm
Supported storage drive interfaces *	SATA III	Packaging content	
Number of storage drives supported	1	Processor included	Intel® Core™ i5-4250U Processor (3M Cache, up to 2.60 GHz)
SSD form factor	mSATA		
Graphics			
Parallel processing technology support *	Not supported		
On-board graphics card	✓		
Graphics card family	Intel		
Graphics card	HD Graphics 5000		

Graphics		Other features	
HDCP	✓	Mini HDMI ports quantity	1
Number of displays supported	3	Mini DisplayPorts quantity	1
Internal I/O		Maximum internal memory	16384 MB
USB 2.0 connectors *	1	Number of DIMM slots	2
Number of SATA III connectors *	1	Number of processors supported	1
Number of SATA connectors	1	Consumer infrared headers	✓
Total number of SATA connectors	1	Embedded options available	✗
Rear panel I/O ports		Graphics output	Mini-DP 1.2; Mini-HDMI 1.4a
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Audio channels	7.1
Ethernet LAN (RJ-45) ports *	1	Intel® vPro™ Platform Eligibility	✗
HDMI version	1.4a	Additional headers	FRONT_PANEL, 2x USB2.0, DC_IN, CUST_SOL (CEC, WDT, DMIC)
Network		Consumer infrared Rx sensor	✓
Ethernet LAN	✓	Processor lithography	22 nm
Ethernet interface type	Gigabit Ethernet	Processor family	Intel® Core™ i5
LAN controller	Intel® I218-V	Processor generation	4th gen Intel® Core™ i5
Wi-Fi *	✗	Processor frequency	1.3 GHz
Bluetooth	✗	Thermal Design Power (TDP)	15 W
Features		Commodity Classification Automated Tracking System (CCATS)	G135162
Audio output channels *	7.1 channels	Export Control Classification Number (ECCN)	5A992C
PC health monitoring	CPU, Fan, Power supply, Temperature	Motherboard ARK ID	76975
Component for *	Mini PC	Technical details	
Motherboard form factor *	UCFF	Born on date	Q4'13
Motherboard chipset family *	Intel	Built-in WiFi	✗
Power source type	ATX	Launch date	Q4'13
DC input voltage	12 - 19 V	Product name	Intel NUC Board D54250WYB
Windows operating systems supported	✓	Product type	Desktop Board
	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* Windows 10, 64-bit* Windows 10, 32-bit*	Status	Discontinued
Compatible operating systems		USB ports quantity	6
		USB version	2.0/3.2 Gen 1 (3.1 Gen 1)
Market segment	Desktop	Maximum memory	16 GB
Expansion slots		Supported RAID configuration	N/A
PCI Express slots version	2.0	Last change	63903513
PCI Express configurations	Half-length MiniPCI card with PCIe X1 lane	Additional I/O headers	FRONT_PANEL, 2x USB2.0, DC_IN, CUST_SOL (CEC, WDT, DMIC)
Mini PCI Express slot (full length)	1	Processor ID	75028
Mini PCI Express slot (half-length)	1	Supported storage drives form factor (internal)	mSATA SSD
		Form factor	UCFF (4" x 4")



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