

Intel NUC 10 Performance UCFF Black BGA 1528 i3-10110U 2.1 GHz

Brand : Intel

Product family: NUC

Product code:
BXNUC10I3FNKN2



Product name : 10 Performance

Intel Core i3-10110U (4MB Cache, 2.10GHz), DDR4-SDRAM, SSD, Intel UHD Graphics, LAN, WLAN, Bluetooth

Intel NUC 10 Performance. Chassis type: UCFF, Product type: Mini PC barebone. Processor socket: BGA 1528. Supported memory types: DDR4-SDRAM, Number of memory slots: 2, Maximum internal memory: 64 GB. Supported storage drive types: SSD. Ethernet LAN (RJ-45) ports: 1. Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)



Processor		Design	
Built-in processor *	✓	Product type *	Mini PC barebone
Processor manufacturer	Intel	Status	Launched
Processor family	Intel® Core™ i3	ARK ID	214611
Processor generation	10th gen Intel® Core™ i3	Performance	
Processor model	i3-10110U	Motherboard form factor	UCFF
Processor frequency	2.1 GHz	Processor socket	BGA 1528
Processor cores	2	Trusted Platform Module (TPM)	✗
Processor threads	4	Audio output channels	7.1 channels
Processor lithography	14 nm	Consumer infrared Rx sensor	✓
Processor boost frequency	4.1 GHz	Windows operating systems supported	Windows 10 x64
Processor cache	4 MB	Compatible operating systems	Windows 11 (64-bit), Windows 10 (64-bit)
Thermal Design Power (TDP)	25 W	Operating system installed	✗
Memory bandwidth supported by processor (max)	42.6 GB/s	Commodity Classification	
Processor codename	Comet Lake	Automated Tracking System (CCATS)	G157815L2
CPU configuration (max)	1	Harmonized System (HS) code	84713000
Memory		Export Control Classification Number (ECCN)	5A992C
Memory slots type *	SO-DIMM	Processor special features	
Number of memory slots *	2	Intel® vPro™ Platform Eligibility	✗
Number of DIMM slots	2	Intel® High Definition Audio (Intel® HD Audio)	✗
Maximum internal memory	64 GB	Embedded options available	✗
Supported memory clock speeds	2666 MHz	Intel Rapid Storage Technology	✓
Supported memory types	DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory channels	Dual-channel	Intel® Quick Sync Video Technology	✓
Memory bandwidth (max)	42.6 GB/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory voltage	1.2 V	Intel® Turbo Boost Technology	2.0
Removable memory card slot	SDXC with UHS-II support	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
ECC	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage			
Supported storage drive types *	SSD		
Storage drive sizes supported *	M.2		
SSD form factor	M.2		
Number of storage drives supported	1		
Card reader integrated	✓		
Compatible memory cards	SDXC		

Graphics		Processor special features	
On-board graphics card *	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Graphics card family	Intel	Intel 64	✓
On-board graphics card model	Intel® UHD Graphics	Intel® My WiFi Technology (Intel® MWT)	✓
Number of displays supported	3	Idle States	✓
Network		Enhanced Intel SpeedStep Technology	✓
Top Wi-Fi standard	Wi-Fi 6 (802.11ax)	Thermal Monitoring Technologies	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Intel Flex Memory Access	✓
WLAN controller model	Intel Wi-Fi 6 AX201	Intel® Identity Protection Technology (Intel® IPT)	✓
Ethernet LAN *	✓	Intel Trusted Execution Technology	✗
Wi-Fi *	✓	Execute Disable Bit	✓
LAN controller	Intel® I219-V	Intel TSX-NI	✗
Bluetooth	✓	Intel® Secure Key	✓
Ports & interfaces		Intel Stable Image Platform Program (SIPP)	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3	Intel® OS Guard	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Intel Clear Video Technology	✓
Internal USB 2.0 ports quantity	2	Intel® Optane™ Memory Ready	✓
HDMI ports quantity *	1	Intel® Platform Trust Technology (Intel® PTT)	✓
HDMI version	2.0b	Intel Virtualization Technology (VT-x)	✓
DisplayPort version	1.2	Power	
Combo headphone/mic port	✓	Power supply type *	External AC adapter
Ethernet LAN (RJ-45) ports *	1	AC adapter output voltage	19 V
Number of SATA III connectors	2	Weight & dimensions	
USB version	2.0/3.2 Gen 2 (3.1 Gen 2)	Width	117 mm
USB ports quantity	7	Depth	112 mm
Thunderbolt 3 ports quantity	1	Height	38 mm
M.2 card slot (storage)	2242/2280	Packaging content	
Graphics output	HDMI 2.0b; USB-C (DP1.2)	Processor included	Intel® Core™ i3-10110U Processor (4M Cache, up to 4.10 GHz)
DC-in jack	✓	Other features	
Expansion slots		Launch date	Q2'21
PCI Express slots version	3.0	Additional headers	CEC, 2x USB2.0, FRONT_PANEL, RGB
Number of M.2 (M) slots	1	Number of SATA connectors	2
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	DC input voltage	19 V
Design		Processor ARK ID	196451
Chassis type *	UCFF		
Product colour *	Black		
On/off switch	✓		



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