

	Intel® NUC-Kit NUC7i3DNKE
Main data	
Suitable operating systems	Windows 10, 64-bit*, Windows 10 IoT Enterprise*, Windows Server 2016*
Board number	NUC7i3DNB
Mainboard format	UCFF (4" x 4")
Socket	Soldered-down BGA
Internal drive form factor	M.2 SSD
Number of supported internal drives	1
Power dissipation (TDP)	15 W
Supported input voltage (DC)	12-24 VDC
Included processor	Intel® Core™ i3-7100U Processor (3M Cache, 2,40 GHz)
Intel® vPro™ Platform qualification ‡	Nein
Number of cores	2
Number of Threads	4
Basic clock frequency of the processor	2,40 GHz
Guarantee period	3 yrs
Additional Information	
Embedded models available	Yes
Description	7th Gen Commercial Intel® NUC
Memory and data storage	
Max. Memory size (depending on the memory type)	32 GB
Memory types	DDR4-2133 1.2V SO-DIMM
Max. Number of memory channels	2
Max. Number of DIMMs	2
Support of ECC memory ‡	No
Processor Graphics	
Processor graphic ‡	Intel® HD-Grafik 620
Integrated graphic ‡	Yes
Video output	Dual HDMI 2,0a, 4-lane eDP 1.4
Number of supported screens ‡	2
Extension options	
PCI Express Version	Gen 3
PCI Express Configurations ‡	PCIe x4: M.2 22x80 (key M) slot PCIe x1: M.2 22x30 (key E) slot
M.2 Card Slot (Wireless)	22x30 (key E) slot
M.2 Card slot (memory)	22x80 (key M) slot
I/O Specifications	
Number of USB ports	4
USB configuration	2x front and 2x rear USB 3.0; 1x USB 3.0 and 2x USB 2.0 via internal headers
USB version	2,0, 3,0
USB 2.0 configuration (external + internal)	0 + 2
USB 3.0 configuration (external + internal)	2B 2F +1
Total number of SATA ports	2
Maximum number of SATA 6.0 Gbps ports	2
RAID configuration	N/A
Serial port via internal terminal block	Yes
Integrated LAN	Intel® i219-LM 10/100/1000 Mbps Ethernet
Integrated WLAN‡	Intel® Wireless-AC 8265 (IEEE 802,11ac 2x2)
Integrated Bluetooth technology	Yes
Other headers	Front_panel (PWR, RST, 5V, 5Vsby, 3.3Vsby); HDMI_CEC; Internal 2x2 power connector
Package Specifications	

Housing dimensions	115 x 111 x 36 mm
Innovative technical functions	
Intel® Direct I/O Virtualization Technology (VT-d) ‡	Yes
Intel® vPro™ Platform qualification ‡	No
Intel® ME Firmware Version	v11.7
TPM	No
Intel® Rapid Storage Technology	Yes
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® Platform Trust Technology (Intel® PTT)	Yes
Safety and reliability	
Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology ‡	No