

Intel® NUC Kit NUC7i3DNHE

Code Name	Dawson Canyon
<u>Essentials</u>	
Status	Launched
Launch Date	Q3'17
Board Form Factor	UCFF (4" x 4")
Socket	Soldered-down BGA
Internal Drive Form Factor	M.2 and 2.5" Drive
# of Internal Drives Supported	2
TDP	15 W
DC Input Voltage Supported	12-24 VDC
Recommended Customer Price	\$277.00 - \$279.00
Processor Included	Intel® Core™ i3-7100U Processor (3M Cache, 2.40 GHz)
Warranty Period	3 yrs
<u>Supplemental Information</u>	
Embedded Options Available	Yes
Description	7th Gen Commercial Intel® NUC
<u>Memory & Storage</u>	
Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR4-2133 1.2V SO-DIMM
Max # of Memory Channels	2
Max # of DIMMs	2
ECC Memory Supported	No
<u>Processor Graphics</u>	
Integrated Graphics	Yes
Graphics Output	Dual HDMI 2.0a, 4-lane eDP 1.4
# of Displays Supported	2
<u>Expansion Options</u>	
PCI Express Revision	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 (storage)	22x80 (key M) slot
<u>I/O Specifications</u>	
# 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 Revision	2.0, 3.0
USB 2.0 Configuration (External + Internal)	0 + 2
USB 3.0 Configuration (External + Internal)	2B 2F +1
Total # of SATA Ports	2
Max # of SATA 6.0 Gb/s Ports	2
RAID Configuration	2.5" HDD/SSD + M.2 SATA/PCIe SSD (RAID-0 RAID-1)
Serial Port via Internal Header	Yes
Integrated LAN	Intel® i219-LM 10/100/1000 Mbps Ethernet
Integrated Wireless	Intel® Wireless-AC 8265 (IEEE 802.11ac 2x2)
Integrated Bluetooth	Yes
Additional Headers	Front_panel (PWR, RST, 5V, 5Vsby, 3.3Vsby); HDMI_CEC; Internal 2x2 power connector
<u>Package Specifications</u>	
Low Halogen Options Available	See MDDS
<u>Advanced Technologies</u>	
Intel® Optane™ Memory Supported	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	Yes

Intel® vPro™ Platform Eligibility	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
<u>Security & Reliability</u>	
Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology	No