



NUC-6100U/ NUC-6300U

NUC Motherboard



KEY FEATURES

- Intel® 6th Gen (Skylake-U) Core™ MCP Processors
- 2 x 260-pin SO-DIMM up to 32GB DDR4 2133 MHz (16GB per DIMM)
- 3 x USB 3.1 Gen1, 1 x USB 3.1 Gen1(TypeC), 1x IR , 1 x M.2 Key E, 1 x M.2 Key M, 1 x SATA3
- 1 x Intel 1 Gigabit LAN
- Support Dual display, (HDMI2 + DP or HDMI1 + HDMI2)
- 19V DC-in

SPECIFICATIONS

Form Factor	NUC-6100U	NUC-6300U
Dimensions	NUC (4.09-in x 4.02-in)	

Processor System

CPU	Intel® 6 th Gen (Skylake-U) Core™ MCU Processors	
	i3-6100U, QC, 2.30GHz, 15W	i5-6300U, QC, 2.40 GHz, 15W
Chipset	MCP	
Socket	N/A	
BIOS	AMI SPI 128 Mbit	

Memory

Technology	Dual Channel DDR4 2133 MHz	
Capacity	32GB (16 GB per DIMM)	
Socket	2 x 260-pin SODIMM	

Graphics

Controller	Intel® HD Graphics 520	
HDMI	HDMI1: HDMI 2.0 Max resolution up to 4096x2160 @60Hz HDMI2: HDMI 1.4b Max resolution up to 4096x2160 @30Hz	
DisplayPort	DisplayPort 1.2a, DP++ Max resolution up to 4096x2160@60Hz	
VGA	N/A	
LVDS	N/A	
eDP	N/A	
DVI	N/A	
MultiDisplay	Dual Display, supports HDMI 2 + DP or HDMI 1 + HDMI 2	

Expansion Slot

PCIe	N/A	
PCI	N/A	
mini-PCIe	N/A	
M.2	1 x M.2 (Key E, 2230) with PCIe x1 and USB 2.0 for Wireless	
mSATA	N/A	

Audio

Interface	Realtek ALC283HD , High Definition Audio. Line-out, Mic-in.	
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Ethernet

Controller/ Speed	1 x Intel® I219V, with 10/100/1000 Mbps	1 x Intel® I219LM with 10/100/1000 Mbps, supports AMT/vPro
Connector	1 x RJ-45	

Front I/O

HDMI	N/A	
DisplayPort	N/A	
USB	1 x USB 3.1 (Gen1), 1 x USB 3.1 (Gen1) Type C	
Audio	1 (Mic-in, Line-out)	
Others	1x IR receiver	

Rear I/O

HDMI	1 x HDMI2.0 + 1 x HDMI1.4b
DisplayPort	1 x DP 1.2a, DP++
VGA	N/A
DVI	N/A
Ethernet	1 x 1 Gigabit LAN
USB	2 x USB 3.1 (Gen1)
Audio	N/A
COM	N/A
PS2	N/A

Internal Connector

USB	N/A
COM	N/A
Parallel	N/A
GPIO	N/A
TPM	N/A
LVDS	N/A
eDP	N/A
VGA	N/A
SATA PWR Output	1
Speaker Header	N/A

Storage

M.2	1 x M.2 (Key M, 2260/2280) with PCIe x4 and SATA3
mSATA	N/A
SATA	1 x SATA3 (6Gb/s)
eMMC	N/A

Watchdog Timer

Output Interval	From Super I/O to drag RESETCON# 256 Segments, 0, 1, 2, ...255sec
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Power Requirements

Input PWR	19V DC in
Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready

Environment

Operating Temp	0°C ~ 60°C
Storage Temp	-40° C ~ 85° C
Operating Humidity	5% ~ 90%
Storage Humidity	5% ~ 90%

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