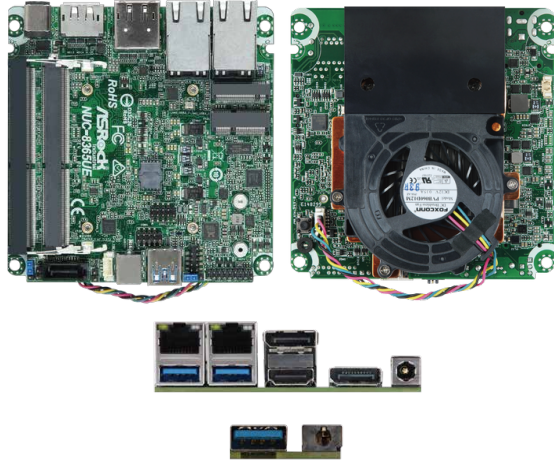




NUC-8665UE/8365UE/8145UE

NUC Motherboard



KEY FEATURES

- Intel® 8th Gen (Whiskey lake-U) Core™ Processors
- 2 x 260-pin SO-DIMM up to 32GB DDR4 2400 MHz (16GB per DIMM)
- 3 x USB 3.2 Gen2, 2 x USB 2.0, 1 x M.2 Key M, 1 x M.2 Key E, 1 x COM, 1 x SATA3
- 1 x Intel 1 Gigabit LAN, 1 x Realtek 1 Gigabit LAN
- Supports triple display, 1 x HDMI 1.4, 2 x DP 1.2a
- TPM 2.0 onboard IC
- Supports Intel® vPro/AMT(NUC-8365UE / NUC-8665UE), RAID 0/1
- 12V DC-In

SPECIFICATIONS

Form Factor

Dimensions	NUC (4.09-in x 4.02-in)
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Processor System

CPU	Intel® 8 th Gen (Whiskey lake-U) Core™ Processors NUC-8145UE (I3-8145UE DC, 2.2GHz, 15 W) NUC-8365UE (I5-8365UE QC, 1.6GHz, 15 W) NUC-8665UE (I7-8665UE QC, 1.8GHz, 15 W)
Chipset	MCP
Socket	N/A
BIOS	AMI SPI 128 Mbit

Memory

Technology	Dual Channel DDR4 2400 MHz
Capacity	32 GB (16 GB per DIMM)
Socket	2 x 260-pin SO-DIMM

Graphics

Controller	Intel® Gen9 Graphics DX 12
HDMI	HDMI 1.4 Max resolution up to 4096x2160@24Hz
DisplayPort	DisplayPort 1.2a Max resolution up to 4096x2160@60Hz
VGA	N/A
LVDS	N/A
eDP	N/A
DVI	N/A
MultiDisplay	Triple Display

Expansion Slot

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

Audio

Interface	Realtek ALC233, High Definition Audio. Line-out, Mic-in
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Ethernet

Controller/ Speed	NUC-8365UE / NUC-8665UE: LAN1: Intel® I219LM with 10/100/1000 Mbps, supports AMT/vPro LAN2: Realtek RTL8111G/RTL8111H-CG with 10/100/1000 Mbps NUC-8145UE: LAN1: Intel® I219V with 10/100/1000 Mbps LAN2: Realtek RTL8111G/RTL8111H-CG with 10/100/1000 Mbps
Connector	2 x RJ-45

Front I/O

HDMI	N/A
DisplayPort	N/A
USB	1 x USB 3.2 (Gen2)
Audio	1 (Mic-in or Line-out)

Rear I/O

HDMI	1 x HDMI 1.4
DisplayPort	2 x DP 1.2a
VGA	N/A
DVI	N/A
Ethernet	2 x 1 Gigabit LAN
USB	2 x USB 3.2 (Gen2)
Audio	N/A
COM	N/A
PS2	N/A

Internal Connector

USB	2 x USB 2.0 (1 x 2.00 pitch header)
COM	1 x COM (RS232/422/485)
Parallel	N/A
GPIO	N/A
TPM	TPM 2.0 onboard IC
LVDS	N/A
eDP	N/A
VGA	N/A
SATA PWR Output	1
Speaker Header	RAID N/A

Storage

M.2	1 x Key M (2242/2260)with PCIe4 and SATA3 for SSD *M.2 Key M 2280 (optional support)
mSATA	N/A
SATA	1 x SATA3 (6Gb/s)
RAID	Intel® SATA RAID 0/1
eMMC	N/A

Watchdog Timer

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

Power Requirements

Input PWR	12V DC-In (DC Jack)
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%

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

Assured Systems

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