

NUC-EHL

Intel® Elkhart Lake Fanless NUC Slim System



Product Features

- Intel® Celeron® Processor J6412
- Rich I/O, 2-COM, 2-HDMI, 2-LAN (2.5GbE), 6-USB3.0, Micro SD slot, Kensington Lock
- On Board TPM 2.0 Default Table Stand
- Single DRAM Socket, Max. Up to 32GB DDR4 3200MHz
- Fanless operating from 0~60°C
- IP40, HDMI2.0b, Wi-Fi (CE/FCC) certificated

Specification

System Information

Processor	Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz
System Memory	1 x 260-Pin SO-DIMM Socket, Max. Up to 32GB DDR4 3200MHz
I/O Chipset	EC ITE IT5571VG
BIOS Information	AMI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature, Voltage with Auto Throttling Control
TPM	TPM2.0
SBC	NCM-EHL

Expansion

M.2	1 x M.2 Key-B 2242/3042 with Internal SIM Slot (PCIe, USB 2.0) 1 x M.2 Key-E 2230 (PCIe, USB 2.0)
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Storage

M.2	1 x M.2 Key-B, 2242 (SATA3)
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MicroSD Card

1 x Micro SD card slot

Front I/O

USB 2 x USB 2.0

Power Button 1 x Power On/Off w/ LED

COM Port 1 x RS232/422/485 (BIOS)

Audio 1 x Line-Out, 1 x Mic-In

Rear I/O

USB 4 x USB 3.2 Gen.2 (10Gbp/s)

COM Port 1 x RS232/422/485 (BIOS)

LED Indicator 1 x Power on/off LED
1 x Storage Access LED

LAN Port 2 x RJ45

HDMI 2 x HDMI 2.0b

AC/DC Input 1 x Lockable DC Jack

Right I/O

Antenna 2 x Antenna Mounting with Dust Protection Cover

Left I/O

Antenna 2 x Antenna Mounting with Dust Protection Cover
1 x Micro-SD Card Slot

Display

Graphic Chipset Intel® UHD Graphics for 10th Gen Intel® Processors

Resolution 2 x HDMI 2.0b: 4096x2304@60Hz

Audio

Audio Codec RealTek ALC888S

Ethernet

LAN Chipset 2 x Intel® I225-LM

Specification 10/100/1000/2.5 Gigabit

Power Requirement

Adapter	12V/5A AC-DC 60W Adapter
ACPI	Single power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Mode	AT/ATX (ATX is default setting)

Software Support

OS	Win10, Win11, Linux
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Certification

Certification Information	CE, FCC Class B, UKCA Wi-Fi 6E RF certified
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Mechanical & Environmental

Operating Temp.	With extended temperature peripherals: 0°C ~ 60°C (32°F ~ 140°F) with 0.5m/s air flow
Storage Temp.	-30°C~70°C(-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	170mm x 125mm x 36mm(6.69" x 4.92" x 1.42")
Vibration Test	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Test	With SSD: 55G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
Drop Test	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
IP Rating	40
Mounting Kit	Table Stand (Default) Din Rail/VESA (Optional)
Kensington Lock	1 x Kensington Lock

Ordering Information

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