



## NUC-EHL

### Intel® Elkhart Lake Fanless NUC Slim System

- > Intel® Elkhart Lake Celeron® Processor J6412
- > Single DRAM Socket, Max. Up to 32GB DDR4 3200MHz
- > Rich I/O, 2-COM, 2-HDMI, 2-LAN (2.5GbE), 6-USB3.0, Micro SD slot, Kensington Lock
- > Fanless operating from 0~60°C
- > On Board TPM 2.0 Default Table Stand
- > IP40, HDM2.0b, Wi-Fi (CE/FCC) certificated

**+** Spec

System Information	
<b>Processor</b>	Intel® Elkhart Lake Celeron® Processor J6412
<b>System Memory</b>	1 x 260-Pin SO-DIMM Socket, Max. Up to 32GB DDR4 3200MHz
<b>I/O Chipset</b>	EC ITE IT5571VG
<b>BIOS Information</b>	AMI BIOS, 128Mbit SPI Flash ROM
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
<b>H/W Status Monitor</b>	Monitoring CPU Temperature, Voltage with Auto Throttling Control
<b>TPM</b>	TPM2.0
<b>SBC</b>	NCM-EHL
-Expansion-	
<b>M.2</b>	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)
-Storage-	
<b>M.2</b>	1 x M.2 Key-B, 2242 (SATA3)
<b>SD Card</b>	1 x Micro-SD Card Slot
-Front I/O-	
<b>USB Port</b>	2 x USB 2.0
<b>COM Port</b>	1 x RS232/422/485 (BIOS)
<b>Audio</b>	1 x Line-Out, 1 x Mic-In
<b>Power Button</b>	1 x Power On/Off w/ LED
-Rear I/O-	
<b>USB Port</b>	4 x USB 3.2 Gen.2 (10Gbp/s)
<b>COM Port</b>	1 x RS232/422/485 (BIOS)
<b>HDMI</b>	2 x HDMI 2.0b
<b>RJ-45</b>	2 x RJ45
<b>LED Indicator</b>	1 x Power on/off LED 1 x Storage Access LED
-Right I/O-	
<b>Antenna</b>	2 x Antenna Mounting with Dust Protection Cover
-Left I/O-	
<b>Antenna</b>	2 x Antenna Mounting with Dust Protection Cover 1 x Micro-SD Card Slot
-Display-	
<b>Graphic Chipset</b>	Intel® UHD Graphics for 10th Gen Intel® Processors
<b>Resolution</b>	2 x HDMI 2.0b: 4096x2304@60Hz
-Audio-	
<b>Audio Codec</b>	RealTek ALC888S-VD2-GR
-Ethernet-	
<b>LAN Chipset</b>	2 x Intel® I225-LM
<b>Specification</b>	10/100/1000/2.5 Gigabit
-Power Requirement-	
<b>DC Input Voltage</b>	+ 12Vdc (Optional DC 12~24V)
<b>DC Input Connector</b>	1 x Lockable DC Jack
<b>ACPI</b>	Single power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
<b>Power Mode</b>	AT/ATX (ATX is default setting)
<b>Adapter</b>	12V/5A AC-DC 60W Adapter
-Software Support-	



<b>OS Information</b>	Win10, Win11, Linux
<b>-Certification-</b>	
<b>Certification Information</b>	CE, FCC Class B, UKCA Wi-Fi 6E RF certified
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	With extended temperature peripherals: 0°C ~ 60°C (32°F ~ 140°F) with 0.5m/s air flow
<b>Storage Temperature</b>	-30°C~70°C(-22°F ~ 158°F)
<b>Operating Humidity</b>	40°C @ 95% Relative Humidity, Non-condensing
<b>Dimension (W x L x H)</b>	170mm x 125mm x 36mm(6.69" x 4.92" x 1.42")
<b>Vibration Test</b>	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
<b>Shock Test</b>	With SSD: 55G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
<b>Drop Test</b>	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
<b>IP Rating</b>	40
<b>Mounting Kit</b>	Table Stand (Default) Din Rail/VESA (Optional)
<b>Kensington Lock</b>	1 x Kensington Lock
<b>Construction</b>	Aluminum + Metal
<b>Ordering Information</b>	
<b>Ordering Information</b>	NUC-EHL-J12-A1-1R Intel® Celeron® J6412 Fanless NUC Slim System

## Assured Systems

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