

Features

- Intel® Celeron® J6412 Processor, Elkhart Lake Platform
- One SODIMM socket supports up to 32GB DDR4 3200MHz memory
- Rich I/O: 2 x COM, 2 x HDMI 2.0b, 2 x LAN (2.5GbE), 6 x USB 3.0, Micro SD Card Slot, Kensington Lock
- Fanless operation 0 ~ 60°C
- Onboard TPM 2.0
- Table Stand
- IP40 Rating
- Wi-Fi (CE/FCC) Certified



Specifications

* This is an OEM Only Product.

System	
CPU	Intel® Celeron® J6412 Processor Onboard, the Elkhart Lake Platform
System Memory	1 x 260-pin SODIMM socket supports up to 32GB DDR4 3200MHz
I/O Chipset	EC ITE IT5571VG
BIOS	AMI BIOS, 128Mbit SPI Flash ROM
Expansion and Storage	1 x M.2 B-Key 2242/3042 (SATAIII, PCIe x1, USB 2.0, with Internal SIM Slot) 1 x M.2 B-Key 2242 (PCIe), share with M.2 Key B 2242/3042 Expansion Slot) 1 x M.2 E-Key 2230 (PCIe x1, USB 2.0) 1 x SD Card Slot
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	TPM 2.0
Supported OS	Win 10, Win 11, Linux
Display	
Chipset	Intel® UHD Graphics for 10th Gen Intel® Processors
Resolution	2 x HDMI 2.0b: 4096x2304 @60Hz
Audio	
Codec	Realtek HD Audio
Ethernet	
Chipset	2 x Intel® I225-LM Ethernet Controllers (2.5GbE)
LAN Port	2 x RJ45

I/O - Front	
USB	2 x USB 2.0
COM Port	1 x RS232/422/485 (BIOS)
Audio	1 x Line-out, 1 x Mic-in
Power Button	1 x Power On/Off w/ LED
I/O - Rear	
USB	4 x USB 3.2 Gen.2 (10Gbp/s)
HDMI	2 x HDMI 2.0b
COM	1 x RS232/422/485 (BIOS)
LAN	2 x RJ45
DC-in	Lockable DC-in
Kensington Lock	1 x Kensington Lock
LED Indicators	1 x Power On/Off LED 1 x Storage Access LED
I/O - Right	
Antenna	2 x Antenna Mounting Holes with Dust Protection Covers 1 x SD Card Slot
I/O - Left	
Antenna	2 x Antenna Mounting Holes with Dust Protection Covers

Power Requirement

Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter
Power Requirement	12V DC-in Optional DC 12~24V
DC Input Connector	Lockable DC Jack
ACPI	Single power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant

Mechanical and Environment

Operating Temp	With Extended Temperature Peripherals: 0°C ~ 60°C (32°F ~ 140°F) with 0.5m/s air flow
Storage Temp	-30~70°C (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Construction	Aluminum + Metal
Mounting Kit	Table Stand Din Rail/VESA (Optional)
Vibration Protection Test	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Protection 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	IP40
Certification Information	CE, FCC Class B, UKCA Wi-Fi 6E RF Certified
Dimensions	6.69" x 4.92" x 1.42" (170mm x 125mm x 36mm)
Weight	1.87lbs (0.85kg)

Ordering Info

NUC-EHL-J6412 Barebone only, with Intel® Celeron® J6412 Processor Onboard

* All product specifications and images are subject to change without notice. Last update: 08/03/2023



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