

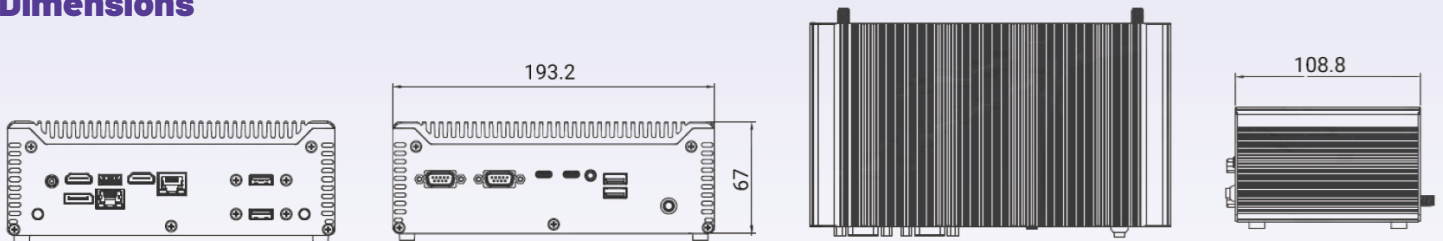


## EBOX-EHL Series Fanless Box PC

Fanless Box PC, equipped with the Elkhart Lake J6412 quad-core 2.0GHz CPU, ensures reliable and efficient processing. It supports DDR4 3200MHz SO-DIMM memory up to 32GB and facilitates triple display setups with two HDMI 2.0 ports and one DP 1.4 port, each capable of 4K resolution.

The unit features an M.2 M-key slot for NVMe storage and an additional M.2 E-key slot that further enhances connectivity options. Multi Ethernet ports provide high-speed networking, while a comprehensive set of USB ports offers extensive connectivity for peripherals. Additionally, there are COM and GPIO ports for expanded interfacing capabilities.

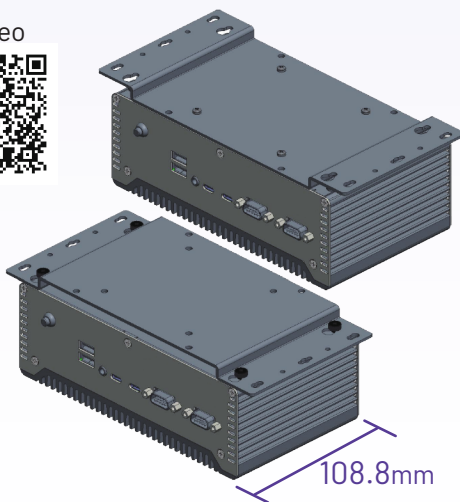
### Dimensions



### Features

- ▶ Intel® Elkhart Lake J6412 Processor
- ▶ DDR4 3200MHz SO-DIMM x1, memory up to 32GB
- ▶ HDMI 2.0 x2 (Max. 4096x2160@60Hz)
- ▶ DP 1.4 x1 (Max. 4096x2160@60Hz)
- ▶ Support Triple Displays
- ▶ M.2 M-key x1 (2260/2280), PCIe Gen.3 x2 interface support NVMe SSD
- ▶ M.2 E-key x1 (2230), USB2.0/PCIe interface (CNVi supported) WLAN/BT
- ▶ SATAIII x1 (SATA DOM)
- ▶ COM1 RS232/485/422; GPIO x1
- ▶ Intel® i226 2.5GbE x4
- ▶ DC Jack power input +12V power adapter
- ▶ Lockable DC Jack power input +12V (option)
- ▶ Operating Temperature -20°C to +60°C
- ▶ Wall-mount and VESA mount applicable

▼ Video



▲ Wall-mount and VESA-mount supported

## EBOX-EHL-6412 Series Specifications

Model type	EBOX-EHL-6412	EBOX-EHL-6412-L4
Processor	Intel® Elkhart Lake J6412 Processor (Quad core 2.0GHz)	
System RAM	DDR4 3200MHz SO-DIMM, memory up to 32GB	
BIOS	AMI BIOS	
Storage	M.2 M-key x1 (2260/2280) PCIe Gen.3 x2 support NVMe SSD	SATAIII x1 (SATA DOM)
Expansion	M.2 E-key x1 (2230), USB2.0/PCIe x1 interface (CNVi supported) WLAN/BT	
Display	Intel® HD Graphics, shared memory	
	HDMI 2.0 x2 (Max. 4096x2160@60Hz)	
	DP 1.4 x1 (Max. 4096x2160@60Hz)	
	Support Triple Displays	
Ethernet	Intel® i226 2.5GbE x2	Intel® i226 2.5GbE x4
Audio	Dual channel HD Audio Realtek ALC888S	
Front I/O	Power button/Mic-in & Line-out Combo x1	
	COM x1 (RS232/485/422)/GPIO x1	
	USB Type-C x2/USB3.1 (Gen2) Type-A x1/USB2.0 Type-A x1	
	N/A	RJ45 x2
Rear I/O	USB 3.1 (Gen2) Type-A x1/USB 2.0 Type-A x2/RJ45 x2/HDMI x2/DP x1	
OS support	Windows 11 & IoT, Windows 10 & IoT, Linux	

### Mechanical & Environment

Power Requirement	DC +12V Power adapter only (2 .5ø)
Power adapter	+12V3.34A (40W)
Operating Temperature	-20~+60°C
Storage Temperature	-40~+85°C
Net Weight	1.7kgs
Dimension (W x D x H)	193.2 x 108.8 x 67mm
Certifications	CE, UKCA, FCC, VCCI

### Order information

EBOX-EHL-6412	Intel Elkhart Lake J6412 Fanless Box PC w/ LAN x2
EBOX-EHL-6412-L4	Intel Elkhart Lake J6412 Fanless Box PC w/ LAN x4
POWER-40W-EHL	AC-DC power adapter DC12V@3.34A (AC 100~240V Input) (Optional)
POWERCABLE(A)(G)(EN)(AU)	Power cord US/EU/UK/AU&NZ types (Optional)
CASE-NUC-VESA	VESA Rack (Optional)