

Intel® Elkhart Lake SoC Processor, DDR4 3200MHz up to 16GB

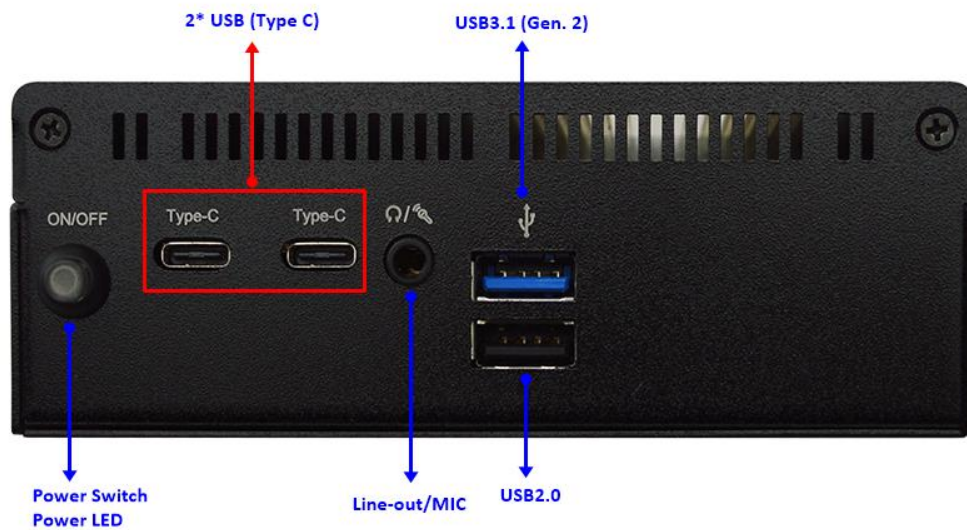
## Features

1. Intel Elkhart Lake SoC Processor
2. 1\* DDR4 3200MHz SO-DIMM up to 16GB
3. 2\* HDMI, 1\* DP
4. 2\* USB3.1 (Gen.2), 1\* USB2.0, 2\* USB TypeC, 2\* RJ45, 1\* Audio (MIC + Line-out)
5. M/B Form Factor: NUC (101x101mm)
6. DC12V\_40W Adapter

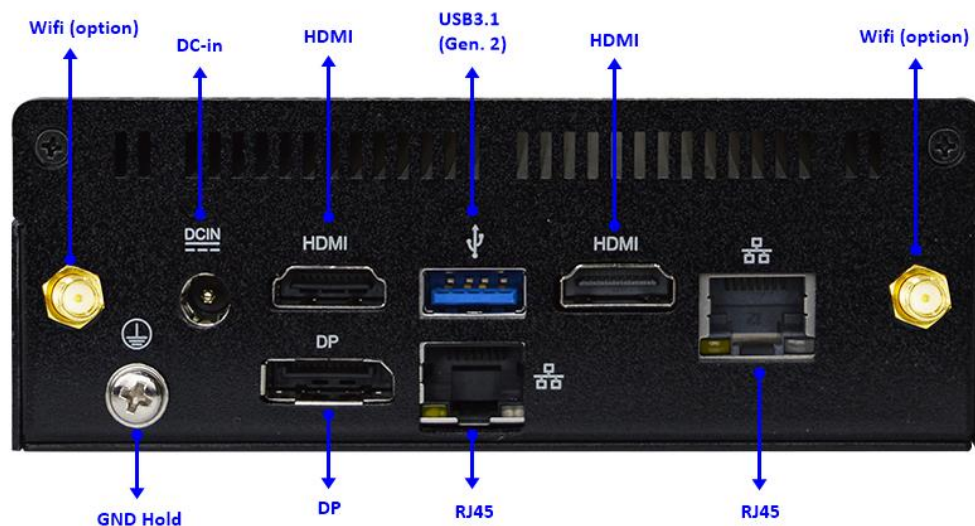


intel. FC CE RoHS COMPLIANT

## Front I/O



## Rear I/O

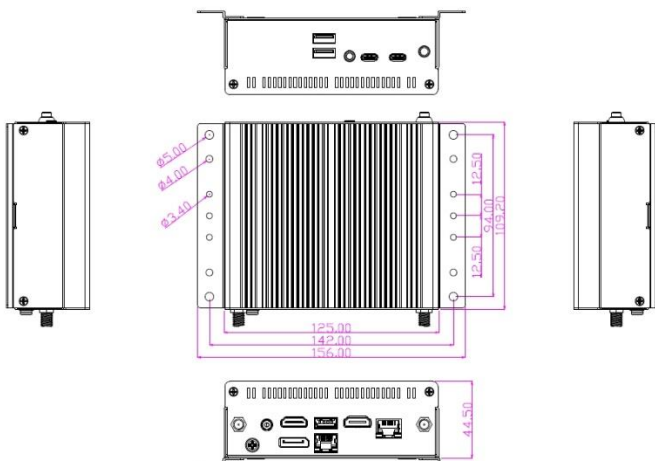


## Specifications

<b>Model</b> <ul style="list-style-type: none"> <li>• HBFBU03-6412-B</li> <li>• HBFBU03I-6412-B</li> <li>• HBFBU03-6412-T (TPM)</li> <li>• HBFBU03I-6412-T (TPM)</li> </ul>	<b>CPU / Chipset</b> Intel® Elkhart Lake SoC Processor (J6412)
<b>BIOS</b> AMI Flash ROM	<b>Memory</b> 1* DDR4 3200MHz Dual Channel SO-DIMM up to 16GB
<b>Network</b> 2* Intel i255V 2.5GbE	<b>Graphics</b> <ul style="list-style-type: none"> <li>• Intel® HD Graphics, shared memory</li> <li>• 1* DP (Max Resolution: 4096x2160@60Hz)</li> <li>• 2* HDMI 2.0 (Max Resolution: 4096x2160@60Hz)</li> <li>• Support Triple Displays</li> </ul>
<b>Storage</b> 1* M.2 M-key (2260/2280, PCIe Gen.3 x2/SATA interface) support NVME	<b>Expansion</b> 1* M.2 E-key (2230, PCIe Gen.3 x1/USB2.0 interface)
<b>Rear Panel I/O</b> <ul style="list-style-type: none"> <li>• 2* RJ45</li> <li>• 1* DP</li> <li>• 1* DC-in</li> <li>• 2* HDMI</li> <li>• 1* USB3.1(Gen.2)</li> </ul>	<b>Front Panel I/O</b> <ul style="list-style-type: none"> <li>• 1* Power button + Power LED</li> <li>• 2* USB(TypeC)</li> <li>• 1* Audio(Line out+MIC)</li> <li>• 1* USB2.0</li> <li>• 1* USB3.1(Gen.2)</li> </ul>
<b>Internal Connector</b> 32GB eMMC onboard	<b>Power Source</b> <ul style="list-style-type: none"> <li>• Adapter : AC 90~240V input / DC12V_40W output</li> <li>• MB : DC12V input</li> </ul>
<b>Compliance</b> CE, FCC, RoHS, ErP Ready	<b>Dimensions</b> System: 125 (W) x 109.2 (D) x 44.5 (H) mm
<b>Temperature</b> <ul style="list-style-type: none"> <li>• Operating Temperature: -20 ~ 60° C (Under the condition of using M.2 interface SSD)</li> <li>• Operating Temperature: 0 ~ 50° C (Under the condition of using 2.5" SATA HDD) (The test environment is closed and windless)</li> <li>• Storage Temperature: -20 ~ 60° C</li> <li>• Humidity: 10% ~ 90% RH @40°C (non-condensing)</li> </ul>	<b>Part Number Rules</b> <div style="text-align: center;"> <p>I: M.2 ac Wifi N.A: Non-Wifi</p> <p>B: EMMC T: EMMC &amp; TPM</p> <p><b>HBFB U03 X - 6412 -B</b></p> <p>Barebone Model      CPU Model</p> <p>MB Model MU03</p> </div>
<b>OS Support</b> Windows 11, Linux	
<b>Warranty</b> 2 Years limited warranty	

\* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## Mechanical Drawings (Unit=mm)



## Standard Accessories

Part Number	Description
	HBFBU03 series
HCSFBMWM01B-F	FB Wall mount
L01AS050-F	Adapter DC12V_40W
Change according to shipping area	Power cord
LCSCBJC3XX-F	JBC3XX Barebone Screw Pack
J05-ANT-GX57245-F	Antenna 2G4/5G 2.8dBi GX572450001SM (Wifi only)