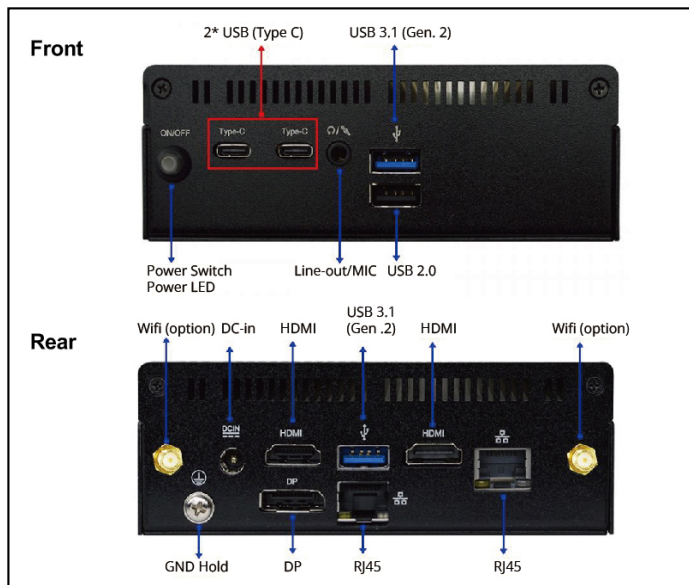


HBFBU03I-6412-E-A1



NUC

Compact Fanless Embedded system with Intel® J6412 SoC processor supporting Wide temperature operation from -20°C to 60°C



Features

- Powered by Intel® J6412 SoC Processor (Elkhart Lake)
- Triple Display Support: 2 x HDMI® and 1 x DP for flexible and high-quality visuals
- Dual 2.5GbE Ethernet Ports: High-speed and reliable networking
- Comprehensive I/O: 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen2 Type-C, and 1 x USB 2.0
- Onboard eMMC
- Compact Fanless Design with Wall-Mount Compatibility: Optimized for Space-Saving

Packing List

PART NUMBER	DESCRIPTION	QTY
HBFBU03 Series	HBFBU03 Series	1
HCSFBMWM01B-F	FB Wall Mount	1
L01AS050-F	Adapter DC12V_40W	1
Change according to shipping area	Power Cord	1
LCSCHBJC3XX-F	JBC3XX Barebone Screw Pack	1
J05-ANT-GX57245-F	Antenna 2G4/5G 2.8dBi GX572450001SM (Wifi Series only)	1

Specifications

SYSTEM	
MB FORM FACTOR	NUC
CPU	Onboard Intel® Celeron® Processor J6412 (Formerly Elkhart Lake, TDP 10W)
CHIPSET	Intel® SoC
MEMORY	1 x DDR4 3200MHz, Single Channel SO-DIMM, up to 32GB
BIOS	AMI Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	—
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12V 40W Adapter: AC90-240V, DC12V/3.3A
POWER ON MODE	AT / ATX
DISPLAY	
GPU	Intel® HD Graphics, shared memory
DP	1 x DP (Max Resolution: 4096 x 2160@60Hz)
HDMI®	2 x HDMI® 2.0 (Max Resolution: 4096 x 2160@60Hz)
MULTIPLE DISPLAY	Support 3 Displays
LAN	
ETHERNET	2 x RJ45 for Intel® I226-V 2.5GbE
SYSTEM I/O	
REAR PANEL I/O	2 x RJ45 1 x DP 1 x DC-in 2 x HDMI® 1 x USB 3.1 (Gen 2) 2 x WIFI Antenna Holes 1 x GND Hold
FRONT PANEL I/O	1 x Power Button 1 x Power LED 2 x USB 3.1 Gen 2 Type C 1 x Combo Audio (Line out & Mic) 1 x USB 2.0 1 x USB 3.1 (Gen 2)
STORAGE	
eMMC	Onboard 64GB eMMC 5.1
EXPANSION	
M.2	1 x M-Key 2260/2280 (PCIe 3.0 x2/SATA) Support NVMe 1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1)
MECHANICAL	
MOUNTING	Wall Mount
DIMENSIONS (W x D x H)	125.0 (W) x 109.2 (D) x 44.5 (H) mm
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5~ 500Hz/ Operation
OPERATING TEMPERATURE	-20°C ~ 60°C (-4°F ~ 140°F)
STORAGE TEMPERATURE	-40°C ~ 85°C (-40°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 95% @ 40°C, Non-condensing
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	EU RoHS China RoHS ErP

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Dimension

Unit: mm

