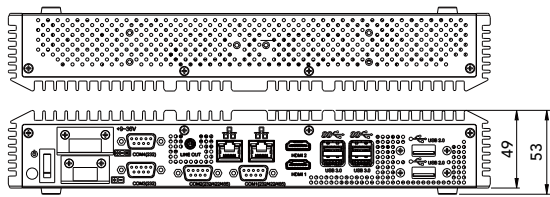


Embedded Box PC NBP-01 /02 /03

NBP-01

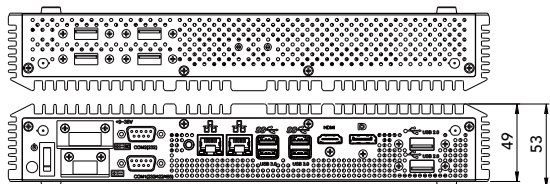


Features

Intel® Celeron® J6412 Processor Embedded Box PC

- Intel® Celeron® Processor J6412 (Elkhart Lake)
- 2.0 GHz (up to 2.6 GHz)
- GbE Ethernet ports x 2
- COM port x 4 (RS-232 x 2, RS-232/422/485 x 2)
- USB x 6 (3.2 Gen1 x 4, 2.0 x 2)
- DC 9~36V wide range power input
- Fan-less, modular detachable design
- VESA mounting 100x100mm

NBP-02/ 03

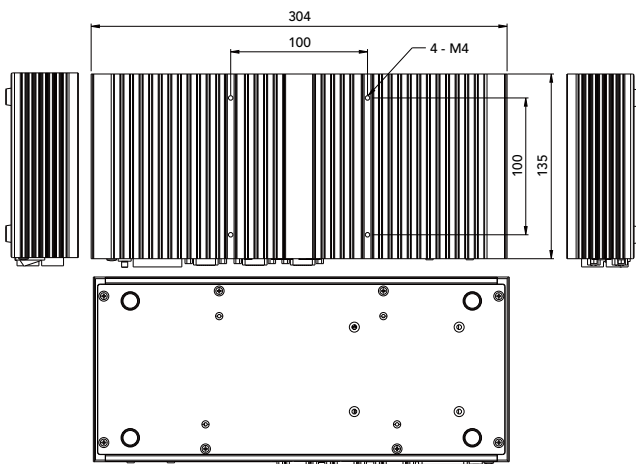


Intel® Processor N-series N97 Embedded Box PC

- Intel® Alder Lake-N Processor N97 2.0 GHz (up to 3.6 GHz)
- 2.5 GbE Ethernet ports x 2
- COM port x 2 (RS-232 x 1, RS-232/422/485 x 1)
- USB x 10 (3.2 Gen1 x 2, 3.2 Gen2 x 2, 2.0 x 6)
- DC 9~36V wide range power input
- Fan-less, modular detachable design
- VESA mounting 100x100mm

Intel® Core™ i3-N305 Processor Embedded Box PC

- Intel® Alder Lake-N Core i3-N305 1.8 GHz (up to 3.8 GHz)
- 2.5 GbE Ethernet ports x 2
- COM port x 2 (RS-232 x 1, RS-232/422/485 x 1)
- USB x 10 (3.2 Gen1 x 2, 3.2 Gen2 x 2, 2.0 x 6)
- DC 9~36V wide range power input
- Fan-less, modular detachable design
- VESA mounting 100x100mm



Specifications

Model No.		NBP-01	NBP-02	NBP-03
System	CPU	Intel® Celeron® J6412 2.0GHz, quad-core, 4 threads, (up to 2.6GHz)	Intel® Alder Lake-N Processor N97 2.0GHz, quad-core, 4 threads, (up to 3.6GHz)	Intel® Alder Lake-N Core i3-N305 1.8GHz, 8 cores, 8 threads, (up to 3.8GHz)
	System Chipset	SoC	SoC	SoC
	System Memory	2 x SO-DIMM, DDR4 3200MHz, up to 32GB	1 x SO-DIMM, DDR5 4800MHz, up to 16GB	1 x SO-DIMM, DDR5 4800MHz, up to 16GB
Storage	SSD	1 x 2280 M.2 M-Key (PCIe x2, SATA 6Gb/s)	1 x 2280 M.2 B key (SATA/PCIe x1)	1 x 2280 M.2 B key (SATA/PCIe x1)
Expansion	Expansion Slot	1 x Full-size mini PCIe	1 x M.2 E key (PCIe x1, USB 2.0), 2230	1 x M.2 E key (PCIe x1, USB 2.0), 2230
I/O Interface	Audio	1 x Line Out		
	HDMI 2.0	2	1	
	Display Port	-	1	
	LAN (RJ45)	2 x GbE	2 x 2.5GbE	
	Power	1 x 2 pins terminal block for external power switch 1 x 3 pins terminal block power connector 1 x power switch on/off	1 x 2 pins terminal block for external power switch 1 x 3 pins terminal block power connector 1 x power switch on/off	
	Serial	1 x DB9 (RS-232/422/485 & RI/5V/12V) 1 x DB9 (RS-232/422/485) 2 x DB9 (RS-232)	1 x DB9 (RS-232/422/485 & RI/5V/12V) 1 x DB9 (RS-232)	
Power	USB	4 x USB 3.2 Gen 1, 2 x USB 2.0	2 x USB 3.2 Gen 1, 2 x USB 3.2 Gen 2, 6 x USB 2.0	
	Power Input	DC 9~36V		
Environment	Power Consumption	90W		
	Operating Temp.	0~50° C (32~122° F)		
	Operating Humidity	10 to 90% (non-condensing)		
	Storage Temp.	-20~60° C (-4~140° F)		
	Operating System	Windows 10 IoT, Debian 11		
Mechanical	Certification	CE/FCC		
	Construction	Aluminum/Steel chassis		
	IP Rating	Front Panel IP66		
	Mounting	VESA mounting 100x100mm		
	Dimension(mm)	304(W) x 135(H) x 49(D)		
	Net Weight(Kgs)	2.1		

Ordering Information

NBP-01	Intel Celeron J6412 2.0 GHz, 8GB DDR4 3200MHz, 9~36V DC input with adapter, Aluminum/Steel chassis
NBP-02	Intel Alder Lake-N Processor N97 2.0 GHz, 8GB DDR5 4800MHz, 9~36V DC input with adapter, Aluminum/Steel chassis
NBP-03	Intel Alder Lake-N Core i3-N305 1.8GHz, 8GB DDR5 4800MHz, 9~36V DC input with adapter, Aluminum/Steel chassis