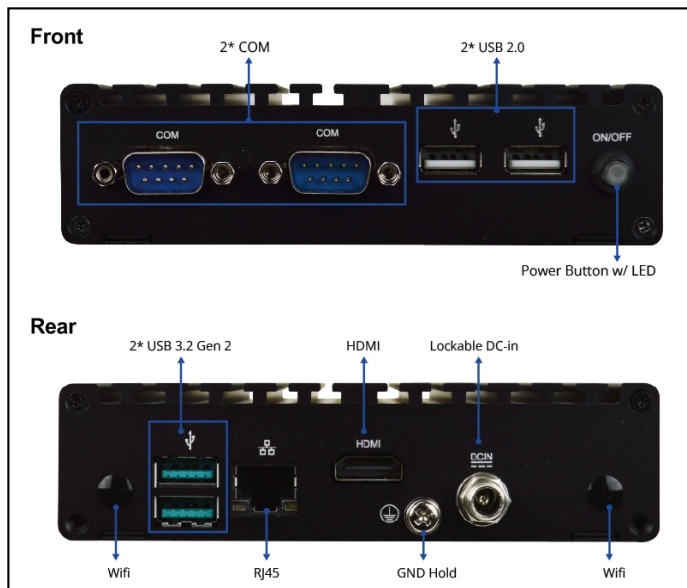


B420PADN1



Compact

Fanless Compact Box PC with Intel® N-series SoC Processors



Features

- Powered by Intel® N97/N200 SoC Processors (formerly Alder Lake)
- High-Performance Memory: Supports DDR5 SO-DIMM
- 4K Display: Supports HDMI 2.0b (4096x2160@60Hz) for high-resolution output
- Storage & Expansion: 1 x M.2 E-Key, 1 x B+M Key paired with 1 x Nano SIM Slot
- Comprehensive I/O: 2 x USB 3.2 Gen2, 2 x USB 2.0, 2 x RS-232/422/485
- Enhanced Security: Supports Intel fTPM
- Pre-installed with one DDR5 4800MHz, Single Channel SO-DIMM, 8GB Memory

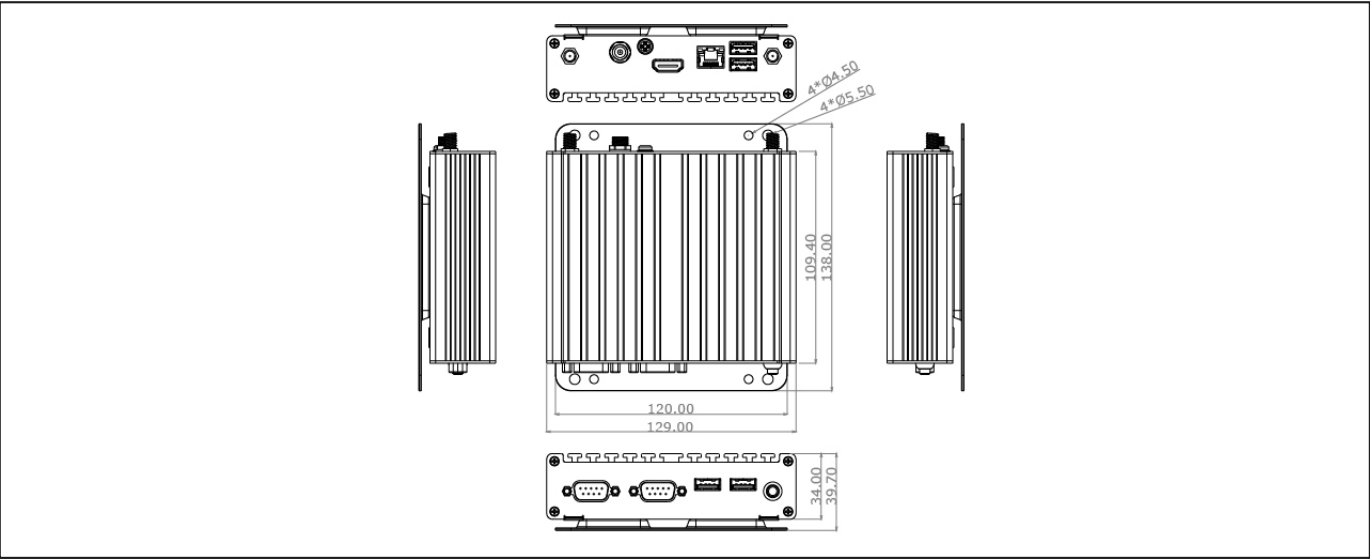
Packing List

PART NUMBER	DESCRIPTION	QTY
B420PADN1	B420ADN1 Barebone	1
HCS310MWM01B-2F	Wall+VESA mount Kit	1
LCSCBJC3XX-F	Screw Pack	1
L01AS051-F	Lockable Adapter 12V/3.3A 40W	1
Change according to shipping area	Power Cord (Region Specific)	1
HNSS0D8DR58GID-F	(Memory pre-installed on board) Innodisk DDR5 4800MHz, Single Channel SO-DIMM, 8GB (M5S0-8GSYZCZQ)	1

Specifications

SYSTEM	
MB FORM FACTOR	Pico-ITX
CPU	Onboard Intel® Processor N97 (Formerly Alder Lake-N, TDP 12W) Onboard Intel® Processor N200 (Formerly Alder Lake-N, TDP 6W)
CHIPSET	Intel® SoC
MEMORY	1 x DDR5 4800MHz, Single Channel SO-DIMM, up to 32GB
BIOS	UEFI
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	Intel® PTT (Integrated fTPM)
RTC BATTERY	Lithium Battery
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 (Default) Mode
DISPLAY	
GPU	Intel® UHD Graphics
HDMI	1 x HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)
AUDIO	
CODEC	Realtek Audio Codec
LAN	
ETHERNET	1 x RJ45 for Realtek® RTL8111H GbE
SYSTEM I/O	
REAR PANEL I/O	2 x USB 3.2 Gen.1 1 x RJ45 1 x HDMI 1 x DC-in (Lockable) 2 x WIFI Antenna Holes 1 x GND Hold
FRONT PANEL I/O	2 x RS-232/422/485 2 x USB 2.0 1 x Power Button + Power LED
EXPANSION	
M.2	1 x B+M-Key 2242/3042/3052 (USB 3.2/SATA III/PCIe 3.0 x2) 1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1)
SIM	1 x Nano SIM Card Slot
MECHANICAL	
MOUNTING	Wall + VESA mount
DIMENSIONS (W x H x D)	129.0 (W) x 109.4 (D) x 34.0 (H) mm
NET WEIGHT	0.56 KG
ENVIRONMENT & CERTIFICATION	
OPERATING TEMPERATURE	-20°C ~ 50°C (-4°F ~ 122°F)
STORAGE TEMPERATURE	-40°C ~ 85°C (-40°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 90% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	China RoHS CMRT Report TSCA Declaration WEEE REACH

Dimension Unit: mm



Ordering Information

PART NUMBER	B420PADN1-A111	B420PADN1-A211
CPU	Intel® Processor N97	Intel® Processor N200
MEMORY	1 x DDR5 S0-DIMM, up to 32GB	1 x DDR5 S0-DIMM, up to 32GB
SECURITY	Intel® PTT (fTPM)	Intel® PTT (fTPM)
POWER REQUIREMENT	DC-in 12V	DC-in 12V
GPU	Intel® UHD Graphics	Intel® UHD Graphics
HDMI	1 x HDMI	1 x HDMI
ETHERNET	1 x 2.5GbE	1 x 2.5GbE
I/O	2 x USB 3.2 Gen 1	2 x USB 3.2 Gen 1
I/O	1 x RJ45	1 x RJ45
I/O	1 x HDMI	1 x HDMI
I/O	1 x DC-in (Lockable)	1 x DC-in (Lockable)
I/O	2 x USB 2.0	2 x USB 2.0
I/O	2 x RS-232/422/485	2 x RS-232/422/485
I/O	1 x Power Button + Power LED	1 x Power Button + Power LED
I/O	2 x WIFI ANT	2 x WIFI ANT
I/O	1 x GND Hold	1 x GND Hold
M.2	1 x B+M-Key 2242/3042/3052	1 x B+M-Key 2242/3042/3052
M.2	1 x E-Key 2230	1 x E-Key 2230
OPERATING TEMPERATURE	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)