

# 13 NANO-002N

Turn-Key Chassis Solutions

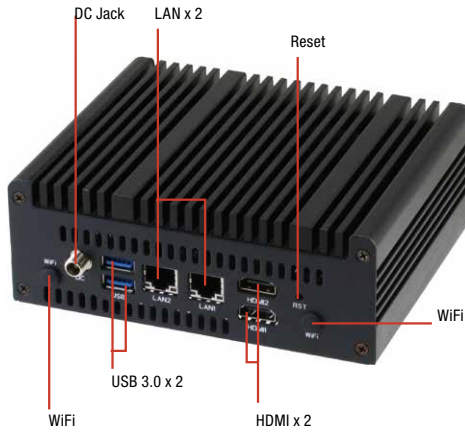
Fanless Mini PC with Intel® 6th Generation 15W Processor, 2 HDMI and 2 LAN Ports

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Front View



Rear View



Bottom View



## Features

- Intel® 6th Generation 14nm ULT Core™ i7/i5/i3/Celeron® 15W BGA Processor
- Dual Gigabit Ethernet
- Dual HDMI Port
- USB 3.0 Port x 4
- Fanless Solution

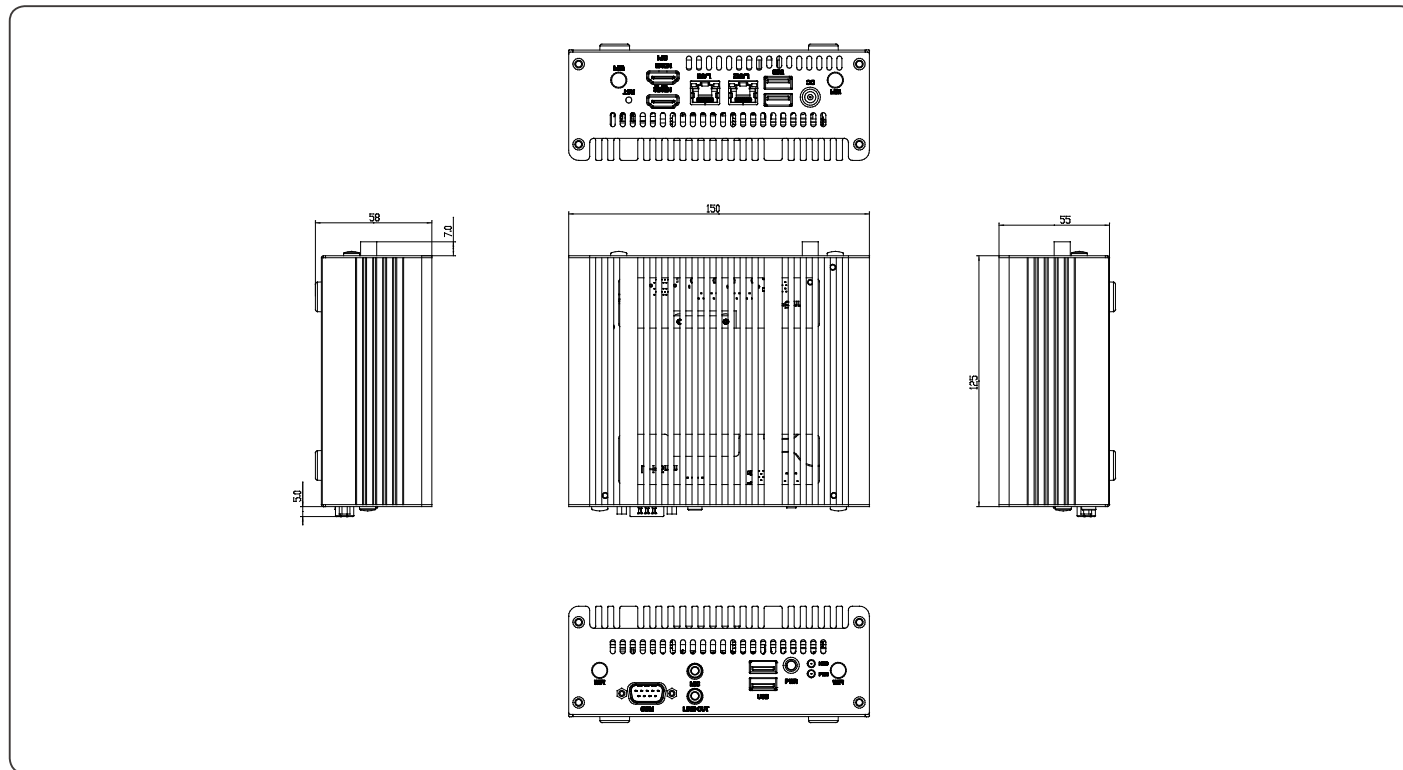


## Specifications

System	
CPU	Intel® 6th gen. 14nm ULT Core™, BGA CPU, 15W TDP. i7-6600U 2C/4T GT2 2.6/3.4 GHz 4M/ i5-6300U 2C/4T GT2 2.4/3.0 GHz 3M/ i3-6100U 2C/4T GT2 2.3 GHz 3M/ Celeron® 3955U 2C/2T GT1 (f) 2.0 GHz 2M
Chipset	Intergrate into SoC
System Memory	SODIMM x 2, max. 16GB, DDR4 2133/1867 MHz
I/O Chipset	non-ECC, un-buffered memory
Storage Devices	NCT5538D
Ethernet	Realtek 8111G Giga LAN 10/100/1000Mb LAN x 2, RJ-45 x 2
Audio	Realtek® ALC887
TPM	—
Expansion Slots	M.2 2280 M-Key slot (PCIex4+mSATA) x 1, default mSATA M.2 2230 E-Key slot (PCIe+USB) x 1, default PCIe
BIOS	128Mbit Flash ROM, AMI BIOS
H/W Monitor	Temperature Monitor on CPU/System, Voltage Monitor on Vcore/5V/3.3V/12V, Fan Monitor on Chassis
WatchDog Timer	1~255 step by software program
Smart Fan Control	Chassis Fan
Wake On LAN / PXE	Yes (WOL / PXE)
Power State	S3, S4, S5
Graphics	
Graphics Chipset	Integrated Graphics
Resolution	HDMI 1.4 up to 4096x2160@24Hz
Brightness Control	—
Graphics Multi Display	HDMI+HDMI
Environment & Power & ME	
Battery	Lithium battery
Power Requirement	DC Power x 1 (DC: 12V~19V, wide rage:12V-5%~ 19V+10%)
Operating Temperature	FANLESS : 0°C~40°C
Operating Humidity	20%~90%RH, non-condensing
Certificate	CE & FCC class A
Form Factor	NANO ITX: 120mm x 120mm (4.72" x 4.72")
Weight	—
Front I/O	
USB	USB 3.0 port x 2
Audio	Audio Jack x 2: Line-out (green), Mic-in (pink)
Serial port	COM port RS-232
Power	On/Off Button x 1
Others	Power LED + HD LED x1
Rear I/O	
USB	USB 3.0 port x 2
Display I/O	HDMI Connector x 2
LAN I/O	RJ-45 Connector x 2
Others	Reset Button x 1, DC Power Jack x 1
Internal I/O	
Storage	M.2 2280 M-Key slot x 1 for mSATA
FAN	Chassis Fan connector x 1 (3-pin, p=2.00mm)
Others	Reset Switch 2-pin header x 1, power button 2-pin header x 1, M.2 2230 E-Key slot x 1
Operating System	
MS Windows	Windows® 7 32 bit, Windows® 7 64 bit, Windows® 8.1 64 bit, Windows® 10 64 bit, Linux Fedora® 22 (64b)

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM Module	Display	Cooler	Storage	LAN	USB	Serial Port	Expansion Slot	Power	Mounting
NANO-002N-3955-01	Celeron® 3955U 2.0G/2M	—	HDMI x 2	Fanless	—	GbE x 2	USB3.0 Port x 4	RS-232 Port x 1	M.2 2230 x 1	DC12-19V	VESA mount
NANO-002N-6100-01	i3-6100U 2.3G/3M	—	HDMI x 2	Fanless	—	GbE x 2	USB3.0 Port x 4	RS-232 Port x 1	M.2 2230 x 1	DC12-19V	VESA mount
NANO-002N-6300-01	i5-6300U 2.4G/3M	—	HDMI x 2	Fanless	—	GbE x 2	USB3.0 Port x 4	RS-232 Port x 1	M.2 2230 x 1	DC12-19V	VESA mount
NANO-002N-6600-01	i7-6600U 2.6G/4M	—	HDMI x 2	Fanless	—	GbE x 2	USB3.0 Port x 4	RS-232 Port x 1	M.2 2230 x 1	DC12-19V	VESA mount

## Packing List

- VESA Mount Kit
- Product DVD
- NANO-002N

## Optional Accessories

- **1702031802**  
Power Cord (US & Taiwan Type)
- **1702031803**  
Power Cord (European Type)
- **170203180B**  
Power Cord (China Type)
- **170203180E**  
Power Cord (Japanese Type)
- **1255300607**  
60W Power Adapter
- **968C064G2X**  
M.2 2280 64GB SSD
- **968C128G1G**  
M.2 2280 128GB SSD



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