



SNR-IBC-N8 Fanless Industrial Mini PC

Compact embedded computer with rich industrial I/O, dual Gigabit LAN and flexible Intel Core platform options.

Key Features

- Intel 4th / 5th / 6th / 7th / 8th / 10th Gen Core i3 / i5 / i7 CPU options
- 4th/5th Gen: 1 x DDR3L SODIMM up to 8GB;
6th/7th/8th/10th Gen: 2 x DDR4 SODIMM up to 32GB
- 6 x DB9 COM ports; 4 ports support RS-485 / RS-422
- 2 x Intel i210 / i211 Gigabit Ethernet
- 4 x USB3.0 + 2 x USB2.0, HDMI + VGA, PS/2 and 14-bit GPIO
- mSATA + 2.5-inch SATA + M.2 NVMe 2280 storage options
- Mini-PCIe expansion for Wi-Fi / Bluetooth / 3G / 4G
- Fanless aluminum enclosure; desktop or wall-mount installation
- DC 9-36V input; watchdog, one-key recovery and diskless boot support



CPU
4th-10th Gen Intel Core

LAN
2 x GbE

COM
6 x COM

USB
4 x USB3.0 + 2 x USB2.0

Power
DC 9-36V

Technical Specifications

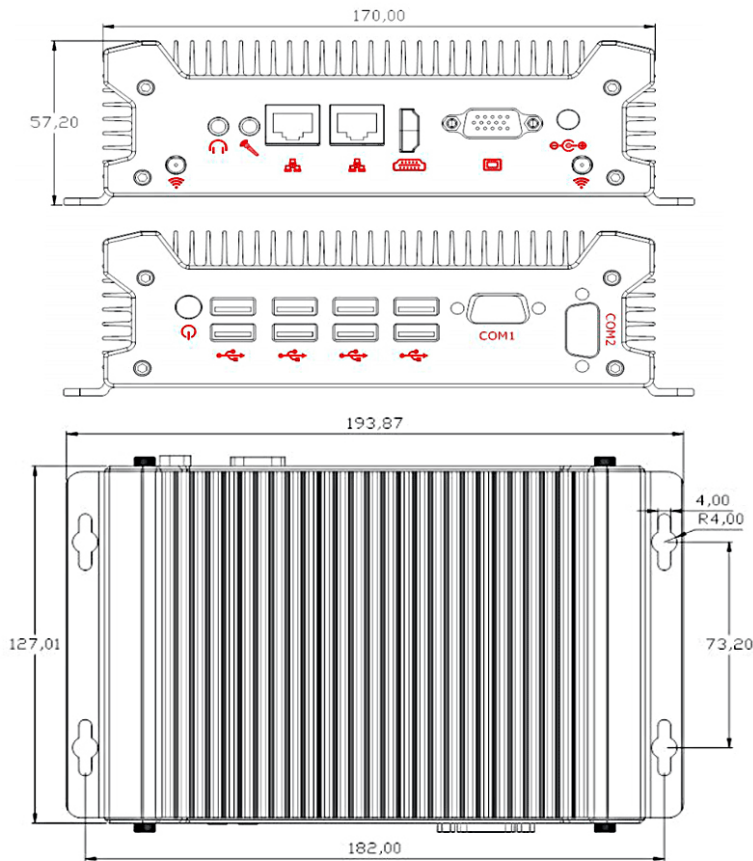
Item	Specification	Item	Specification
Processor	Intel 4th/5th/6th/7th/8th/10th Gen Core i3/i5/i7	OS	Windows 7/8/10, WES 7/10, Linux
Memory	4th/5th: DDR3L x1 up to 8GB; 6th/7th/8th/10th: DDR4 x2 up to 32GB	Ethernet	2 x GbE RJ45, Intel i210/i211
USB	4 x USB3.0 + 2 x USB2.0	COM	6 x DB9; 4 support RS485/RS422
Display	1 x HDMI + 1 x VGA	PS/2	1 x keyboard/mouse combo
GPIO	14 x GPIO (7 input, 7 output)	Controls	Power / Reset / Clear CMOS
Audio	1 x headphone + 1 x microphone	Power Mode	AT / ATX selectable by DIP switch
Storage	1 x mSATA + 1 x 2.5" HDD/SSD + 1 x M.2 NVMe 2280*	Expansion	2 x Mini-PCIe + 1 x expansion I/O
Wireless	Wi-Fi / Bluetooth / 3G / 4G module support	Antenna	2 x antenna connectors
Power Input	DC 9-36V via 3-pin Phoenix connector	Material	Aluminum
Mounting	Desktop / wall mount	Dimensions	249 x 150 x 86 mm
Weight	Approx. 2.2 kg	Environment	-20 to 60C operation; -30 to 70C storage
Other	Watchdog / one-key recovery / diskless boot	Note	*NVMe supported on 6th/7th/8th/10th Gen platforms



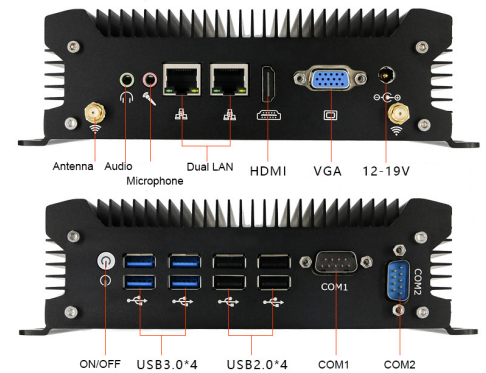
Mechanical Dimensions & I/O Layout

Updated with the latest product photography, labeled I/O reference and dedicated mechanical drawing.

Dimension Drawing



Front / Rear I/O Reference



I/O Summary

- Dual LAN
- HDMI + VGA
- 4 x USB3.0 + 4 x USB2.0
shown on this chassis
reference
- COM1 + COM2
- Audio + microphone
- Antenna connectors
- DC input shown as 12-19V on
this reference photo

Representative CPU Options

Gen.	Representative CPU Models	Memory	NVMe
4th	i5-4200U / i5-4300U / i7-4500U / i7-4650U	DDR3L x1	No
5th	i5-5287U	DDR3L x1	No
6th	i3-6157U / i5-6200U / i7-6567U	DDR4 x2	Yes
7th	i3-7020U / i3-7100U / i5-7200U / i5-7267U / i7-7500U	DDR4 x2	Yes
8th	i5-8265U / i5-8269U / i5-8350U / i7-8550U / i7-8565U / i7-8569U	DDR4 x2	Yes
10th	i5-10210U / i7-10510U	DDR4 x2	Yes

Product appearance and port layout may vary by CPU platform and selected configuration.
Please confirm CPU, memory, storage, COM mode, USB quantity, wireless module and power input before ordering.