

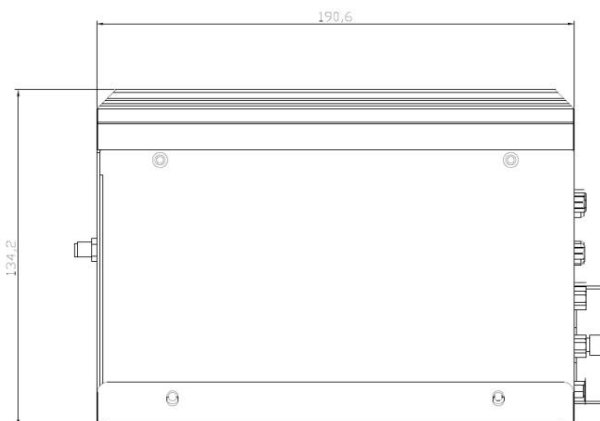
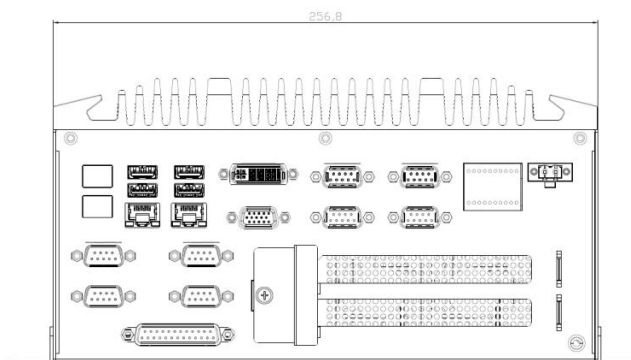
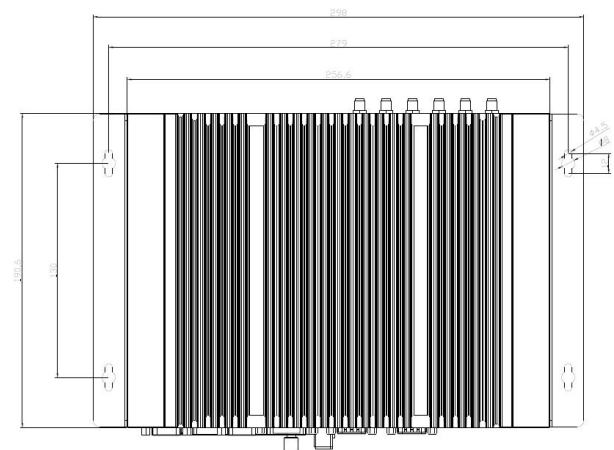
Product Image



Product Features

- ◆ Below 35W T-series LGA 1151 CPU is acceptable : 6/7/8/9th generation, i3/i5/i7/i9/G series
- ◆ Fan-less design, Aluminum alloy shell, efficient heat dissipation,
- ◆ 4 Intel Gigabit Ethernet ports with surge protection
- ◆ Compatible with 5G/4G network, adapt to 5G new infrastructure
- ◆ 6COM, 2 RS485 with isolation (10 strings can be expanded)
- ◆ 8 programmable digital input and output
- ◆ VGA/DVI/HDMI (optional LVDS) 4 ports and 3 displays
- ◆ 4 USB3.0, 4 USB2.0, 1 internal encryption port
- ◆ Support PCI/PCIe/Mini PCIe bus slot expansion
- ◆ Support Win7/Win10/WES7/Linux, 32bit/64bit

Product size and interface layout



Product Spec

Product	Model	AIBOX-1151
	Type	Fanless AIBOX
Processor	CPU	35W T-series LGA 1151 CPU is acceptable: 6/7/8/9th generation, i3/i5/i7/i9/G series
	Chipset	H110 chipset (C236 supports E3 V5&V6 CPU, triple display, SATA Raid)
Memory	Type	DDR4 SO-DIMM, support DDR4-2133, DDR4-2400, DDR4-2666
Display	Controller	Intel CPU integrated display controller
	Interface	Four display interfaces VGA, DVI-D, HDMI, optional LVDS (eDP and LVDS choose one) H110 supports asynchronous dual display of any two ports, C236 supports asynchronous three display of any three ports
Storage	Type	2 SATA3.0, (C236 supports Raid0,1) 1 mSATA; 1 M.2 2242/2280 SATA SSD (C236 supports nVME x4)
Audio	Type	Support Audio-Out, Mic-in, Line-out three audio jacks, Reserved to support digital audio output with power amplifier (4Pin wafer)
Network	LAN	Standard configuration 2 Intel GbE, LAN1: i219LM, LAN2: i211AT Optional high configuration: two more Intel I211AT, a total of 4 intel Gigabit

BOX

		ports
I/O	USB	4 USB3.0 (rear), 4 USB2.0 (front), 1 internal USB2.0Type A
	SM bus/I ² C	One 4Pin SM Bus
	COM	Rear I/O 6 serial ports: COM1&2 supports four-wire RS232/422/485, RS485 with isolation COM3~6 support RS232 (optional serial port module to expand 4 RS232 or 4 485 serial ports)
	Digital I/O	Isolated 8-bit digital I/O, providing power and ground, +5V level
	LPC	LPC bus can expand TPM, TCM encryption module, serial port module
Power	Input	Support 12 ~ 24V DC In, support DC-Jack or ATX 4Pin
Expansion	I/O	Reserve 1 PCIe x16, 1 PCIe x1 (x4 for C236), 1 Mini-PCIe expansion 1 M.2 B-Key 3042/3052 with SIM card supporting 4G/5G module (USB3+PCIex1)
Environment	Temperature	Operating: 0~50°C, Storage: -40~80°C
	Humidity	5% to 95%,Non-condensing
Function	Watch Dog	Software programmable1~255 second/minute system interrupt/reset
System	BIOS	AMI UEFI BIOS
	Operating system	Win7/Win10/WES7/Linux , 32bit/64bit
SIZE	LxWxH	Without extension: 257mm(W)×191mm(D)×79mm(H) With 2 extensions: 257mm(W)×191mm(D)×134mm(H) With 4 extensions: 257mm(W)×191mm(D)×189mm(H) Maximum size of expandable PCI card: 110mm(H), 175mm(L) Maximum size of expandable PCIE card: 122mm(H), 172mm(L)

Booking information

Model	Configuration
AIBOX-1151 no expansion	Industrial barebones, H110 chip, 4LAN, SATA SSD, 4G_5G, without expansion, with power supply
AIBOX-1151-C236 no expansion	Industrial barebones, C236 chip, 4LAN, nVME SSD, Raid01, 4G_5G, without expansion, with power supply
AIBOX-1151-2P 2 expansion	Industrial barebones, H110, 4LAN, 2PCI, SATA SSD, 4G_5G, optional fan, with power supply
AIBOX-1151-1E1P 2 expansion	Industrial barebones, H110, 4LAN, 1PCIe x16, 1PCI, SATA SSD, 4G_5G, optional fan, with power supply
AIBOX-1151-2E 2 expansion	Industrial barebones, H110, 4LAN, 1PCIe x16, 1PCIe x1, SATA SSD, 4G_5G, optional fan, with power supply
AIBOX-1151-2E236 2 expansion	Industrial barebones, C236, 4LAN, PCIex16, 1PCIex4, nVME SSD, Raid01, 4G_5G, fan, with power supply

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Parts List

Item	Spec	QTY
Fixed bracket	A pair of straight and 90° mounting brackets each	2
Driver CD	including electronic file manual	1
Adapter		1
COM & GPIO Terminals		2

Recommended CPU

Brand	Details
Intel IOTG	Celeron G3930TE /2.7GHz/2C/2T/2MB/35W/IoT/Q2'17
Intel IOTG	Pentium G4400TE /2.4GHz/2C/2T/3MB/35W/IoT/Q4'15
Intel IOTG	i3-6100TE/2.7GHz/2C/4T/4MB/35W/IoT/Q4'15
Intel IOTG	i3-8100T/3.1GHz/4C/4T/6MB/35W/IoT/Q2'18
Intel IOTG	i5-6500TE/2.3-3.3GHz/4C/4T/6MB/35W/IoT/Q4'15
Intel IOTG	i5-7500T/2.7-3.3GHz/4C/4T/6MB/35W/IoT/Q1'17
Intel IOTG	i5-8500T/2.1-3.5GHz/6C/6T/9MB/35W/IoT/Q2'18
Intel IOTG	i5-9500TE/2.2-3.6GHz/6C/6T/9MB/35W/IoT/Q2'19
Intel IOTG	i7-6700TE/2.4-3.4GHz/4C/8T/8MB/35W/IoT/Q3'15
Intel IOTG	i7-8700T/2.4-4.0GHz/6C/12T/12MB/35W/IoT/Q2'18
Intel IOTG	i7-9700TE/1.8-3.8GHz/8C/8T/12MB/35W/IoT/Q2'19
Intel IOTG	i9-9900T/2.1-4.4GHz/8C/16T/16MB/35W IoT/Q2'19