

# IPC962-511-FL

2-slot Fanless Industrial System with LGA1151 Socket 7th/6th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® H110, Front-access I/O, PCIe and PCI Slots

## Features

- LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, up to 65W (codename: Kaby Lake/Skylake)\*
- Intel® H110 chipset
- Supports 2 expansion slots
- Power input: 24 VDC (uMin=19V/uMax=30V)
- Compact & front I/O design
- -10°C to +60°C operating temperature range
- Supports 2 swappable 2.5" HDD
- Supports ECM BIOS setting
- Supports WLAN module & antenna (optional)
- Supports TPM 2.0



▲ Rear view



- |                        |                     |   |
|------------------------|---------------------|---|
| 1. 2 x Antenna opening | 6. Reset switch     | 12. (1) AX93511: 4 x RS-232/422/485 module (default RS-232)   |
| 2. Remote switch       | 7. Power switch     | (2) AX93512: 2 x RS-232/422/485 with isolated 1.5KVDC & 8-in/8-out with isolated 1.5KVDC DIO module |
| 3. Mic-in & Line-out   | 8. Terminal block   | (3) AX93516: 4 x RS-232/422/485 with isolated 2KVDC module  |
| 4. 2 x LAN             | 9. HDD & Power LEDs | 13. (1) AX96205: 1 PCIe x16 + 1 PCIe x4   |
| 5. VGA                 | 10. 4 x USB 3.0     | (2) AX96206: 1 PCIe x16 + 1 PCI   |
|                        | 11. HDMI            | (3) AX96207: 2 PCI  |



## Specifications

Standard Color	Silver	
Construction	Aluminum extrusion heavy-duty cold-rolled steel, IP40 (w/o fan module)	
Processor System	CPU Level	7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, up to 65W (Kaby Lake/Skylake)*
	Chipset	Intel® H110
System Memory	2 x DDR4-2133/2400 un-buffered SO-DIMM, up to 32GB	
System I/O	1 x Switch for power on/off (ATX)	
	1 x Remote switch	
	1 x Reset switch	
	1 x 3-pin terminal block	
	1 x AT/ATX selectable switch	
	2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT)	
	4 x USB 3.0	
	1 x HDMI	
	1 x VGA	
	1 x Audio (Mic-in/Line-out)	
Expansion I/O Module	AX93511: 4 x RS-232/422/485 module (default RS-232)	
	AX93512: 2 x RS-232/422/485 with isolated 1.5KVDC & 8-in/8-out with isolated 1.5KVDC DIO module	
	AX93516: 4 x RS-232/422/485 with isolated 2KVDC module	
	TPM	TPM 2.0

Expansion Interface	AX96205: 1 x PCIe x16 Gen3 + 1 x PCIe x4
	AX96206: 1 x PCIe x16 Gen3 + 1 x PCI
	AX96207: 2 x PCI
	1 x Full-size PCI Express Mini Card slot with USB interface
Storage	2 x 2.5" swappable HDD (up to 15 mm height)
System Indicators	1 x Power LED 1 x HDD LED
Power Input	Type: ATX/AT Input: 24 VDC (uMin=19V/uMax=30V)
Operating Temperature	-10°C to +60°C (+14°F to +140°F) with 6th gen Intel® Core™ up to 35W and W.T. HDD/SSD*
	-10°C to +50°C (+14°F to +122°F) with 6th/7th gen Intel® Core™ up to 65W and W.T. HDD/SSD*
Storage Temperature	-20°C to +80°C (-4°F to +176°F)
Humidity	10% to 90%, non-condensing
Dimensions	147.5 mm (5.80") (W) x 192 mm (7.54") (H) x 230 mm (9.04") (D)
Weight (net/gross)	4.382 kg (9.66 lb)/5.346 kg (11.80 lb)
Certifications	CE, FCC

\* CPU support list please refer to the user's manual.

## Ordering Information

System	
IPC962-511-DC-FL (P/N: E26G962100)	2-slot fanless industrial system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® H110 chipset, and front-access I/O

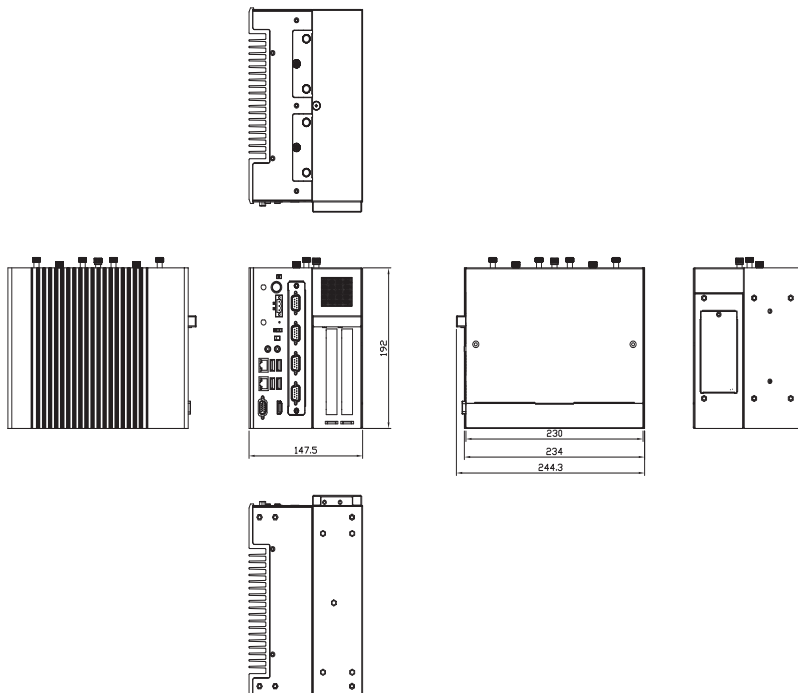
### I/O Module & Riser Card

AX93511 (P/N: 8816G962020E)	4 x RS-232/422/485 module (default RS-232)
AX93512 (P/N: 8816G962060E)	2 x RS-232/422/485 with isolated 1.5KVDC & 8-in/8-out with isolated 1.5KVDC DIO module
AX93516 (P/N: 8816G962030E)	4 x RS-232/422/485 with isolated 2KVDC module
726G9620610E	Blank I/O cover
AX96205 (P/N: 83962051000E)	1 x PCIe x16 + 1 PCIe x4 expansion kit
AX96206 (P/N: 83962061000E)	1 x PCIe x16 + 1 PCI expansion kit
AX96207 (P/N: 83962071000E)	2 x PCI expansion kit

### Optional

2.5" SATA HDD/SSD	
DDR4-2133/2400 un-buffered SO-DIMM, up to 32GB	
826G9620010E / 8816G9620A0E	IPC962-511-FL fan module kit
826G9620020E / 8816G9621A0E	Wall mount bracket kit
50906D24000E	Adaptor 24V/120W, wire only
AX92320 (P/N: E392320100)	4-port PCI Express GbE PoE communication card
AX92351 (P/N: E392351100)	32-in/32-out isolated 1.5KV DIO module

## Dimensions



## Power Protection

DC Version
OVP (over voltage protection)
SCP (short circuit protection)
OCP (over current protection)

## Packing List

- 1 x IPC962-511-FL unit
- 1 x Driver CD
- 1 x Screw pack
- 4 x Foot pad
- 1 x CPU grease
- 1 x Terminal block
- 1 x Remote power switch cable
- 1 x Holder bracket



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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