

# IPC962-512-FL NEW

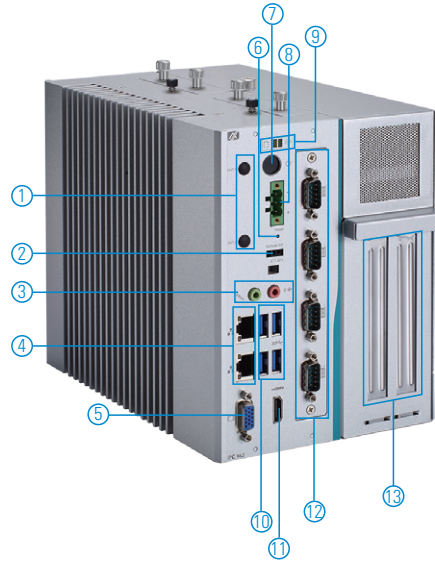
2-slot Fanless Industrial System with LGA1151 Socket 7th/6th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® Q170, Front-access I/O, PCIe and PCI Slots

## Features

- LGA1151 Socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, up to 65W (codename: Kaby Lake/Skylake)\*
- Intel® Q170 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 & RAID 0,1
- 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 | (4) AX93519: 1 x 10/100/1000 Mbps (Intel® i211-AT) Ethernet, 2 x RS-232/422/485, 2 x USB 3.0 module |
| 5. VGA                 | 10. 4 x USB 3.0     | 13. (1) AX96205: 1 PCIe x16 + 1 PCIe x4   |
|                        | 11. HDMI            | (2) AX96206: 1 PCIe x16 + 1 PCI   |
|                        |                     | (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® Q170
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
Extension System IO 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
	AX93519: 1 x 10/100/1000 Mbps (Intel® i211-AT) Ethernet, 2 x RS-232/422/485 and 2 x USB 3.0 module
	TPM TPM 2.0

Expansion Interface	AX96205: 1 x PCIe x16 Gen3 + 1 x PCIe x4 Gen3 AX96206: 1 x PCIe x16 Gen3 + 1 x PCI AX96207: 2 x PCI 1 x Full-size PCI Express Mini Card slot with USB & PCIe 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.

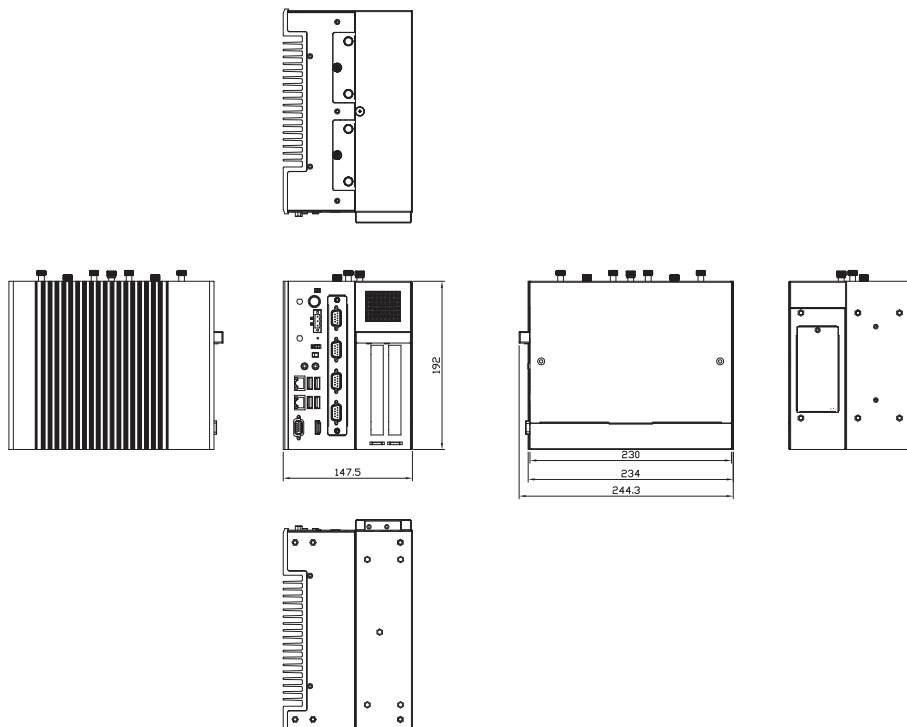
## Ordering Information

System	
IPC962-512-DC-FL (P/N: E26G962101)	2-slot fanless industrial system with 7th/6th gen Intel® Core™ i7/i5/i3 processor and Intel® Q170, and front-access I/O

I/O Module & Riser Card	
AX93511 (P/N: 8816G962020E)	4 x RS-232/422/485 IO 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
AX93519	1 x 10/100/1000 Mbps (Intel® i211-AT) Ethernet, 2 x RS-232/422/485 and 2 x USB 3.0 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	IPC962-512-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 IPC962-512-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