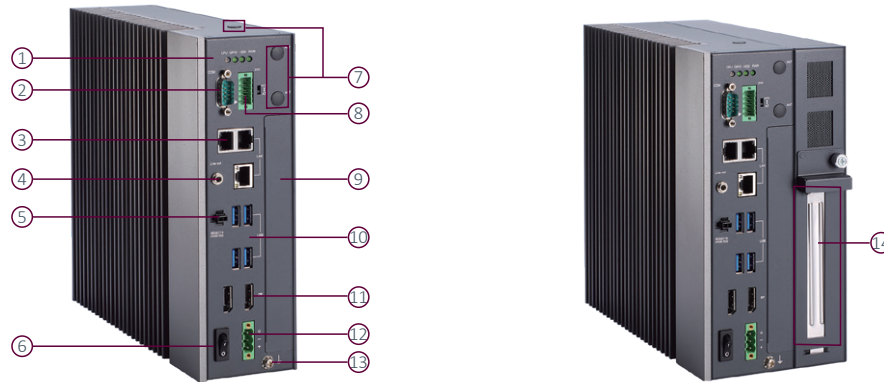


IPC950

Fanless Industrial System with Intel® Core™ Processor i7 Processor and Front Access I/O



- 1. 4 x LED
- 2. RS-232/422/485
- 3. 3 x LAN
- 4. Line-out
- 5. Remote power switch

- 6. Switch for power on/off
- 7. 3 x antenna opening
- 8. 8-CH DIO
- 9. Flexible system I/O window
- 10. 4 x USB 3.1 (10G)

- 11. 2 x DisplayPort++
- 12. 3-pin terminal block
- 13. Ground terminal
- 14. 1 x PCIe x4 slot



Fanless



DDR4



Dual-View

Features

- Intel® Core™ i7 processor (Tiger Lake U), 15W
- Flexible I/O module for additional expansion capabilities
- M.2 Key E socket for wireless connection
- 2 DisplayPort++ connectors
- Supports TPM 2.0
- Supports Intel® AMT
- Optional mounting solutions: DIN-rail, bookshelf, and wall mount

Specifications

Standard Color	Silver & black	
Construction	Aluminum extrusion heavy-duty cold-rolled steel	
Processor	CPU Level	Intel® Core™ i7-1185G7E processor (Tiger Lake U), 15W
System	Chipset	SoC integrated
System Memory	2 x DDR4-3200 MT/s un-buffered SO-DIMM, up to 64GB	



Specifications

System I/O	Ethernet	1 x 10/100/1000/2500 Mbps Ethernet (Intel® I225-LM) 2 x 10/100/1000 Mbps Ethernet (Intel® I210-AT)
	Serial	1 x RS-232/422/485 (default RS-232, BIOS selection)
	DIO	Programmable 8-CH DIO via 10-pin terminal block, TTL type
	USB	4 x USB 3.1 (10G) Type A 1 x internal USB 2.0 for license key usage, up to 20 mm
	Display	2 x DisplayPort++ 1.2 4K supporting resolutions up to 4096 x 2160 @ 60Hz
	Audio	1 x Line-out
	Others	1 x switch for power on/off with LED (ATX) 1 x remote switch 1 x 3-pin terminal block 1 x AT/ATX selectable switch
	TPM	TPM 2.0
Expansion Interface	M.2 Key E 2230 socket	
	SIM	1 x SIM slot
	mPCIe	1 x full-size PCI Express Mini Card slot (USB & PCIe interface)
	PCIe	1 x PCIe x4 slot for Axiomtek I/O card <ul style="list-style-type: none"> AX92320: 2/4-port GigE PoE LAN PCI Express card (max. 100W PoE power output) AX92321: 4-port/8-port USB 3.0 PCI Express card with 4 independent host controllers AX92322: 2-port/4-port GbE LAN PCI Express card AX92351: 32-CH isolated digital I/O with digital filter
Storage	1 x 2.5" HDD/SSD bay (7/9.5 mm height) 1 x M.2 Key B+M 2280 socket (SATA interface) for SSD	
System Indicators	1 x CPU status LED 1 x Programmable (GPIO) LED 1 x HDD/SSD access LED 1 x power LED	
Power Input	Type: ATX/AT Input: 24 VDC (uMin=19V/uMax=30V)	
Operating Temperature	-20°C to +50°C (-4°F to +122°F) with W.T. SSD	
Storage Temperature	-40°C to +70°C (-40°F to +158°F)	
Relative Humidity	10% to 95% relative humidity, non-condensing	
Dimensions (W x D x H)	69.5 x 225 x 230 mm (2.73" x 8.85" x 9")	
Weight (net/gross)	4 kg (8.82 lb)/6 kg (13.2 lb)	
Certifications	CE (EN 61000-6-4/EN 61000-6-2), FCC	
OS Support	Win 10, Win 11, Win 10 IoT, Win 11 IoT, and Linux OS	

Ordering Information

System

IPC950-11i7-F5 (P/N: E26G950101)	Fanless industrial system with Intel® Core™ i7-1185G7E and blank flexible I/O; without Axiomtek logo
IPC950-11i7-F5E1	Fanless industrial system with Intel® Core™ i7-1185G7E, blank flexible I/O, and 1 PCIe x4 slot; without Axiomtek logo (project-based support)

Optional Flexible System I/O Module

AX93511 (P/N: E29R127111)	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 (project-based support)
AX93516	4 x RS-232/422/485 with isolated 2kVDC module (project-based support)
AX93519	1 x 10/100/1000 Mbps Ethernet (Intel® I210-AT), 2 x RS-232/422/485, and 2 x USB 2.0 module (project-based support)

Ordering Information

Optional

2.5" SATA HDD/SSD

M.2 Key B+M 2280 (SATA) SSD

DDR4-3200 MT/s un-buffered SO-DIMM, up to 64GB

E29R127106 DIN-rail mounting kit for IPC950 system

DIN-rail mounting kit for IPC950 with PCIe x4 slot system (project-based support)

Bookshelf mounting kit for IPC950 system (project-based support)

Bookshelf mounting kit for IPC950 with PCIe x4 slot system (project-based support)

E29R127110 Wall mounting kit for IPC950 and IPC950 with PCIe x4 slot system

Power cable for AX92320

509000001500 Adaptor 24V/120W, wire only

Power Protection

DC Version

OVP (over voltage protection)

OCP (over current protection)

Reverse protection

Packing List

1 x IPC950 unit

1 x screw pack

1 x terminal block

1 x remote power switch cable

3 x antenna isolated washer

Dimensions

