

# IPC974-519-FL NEW

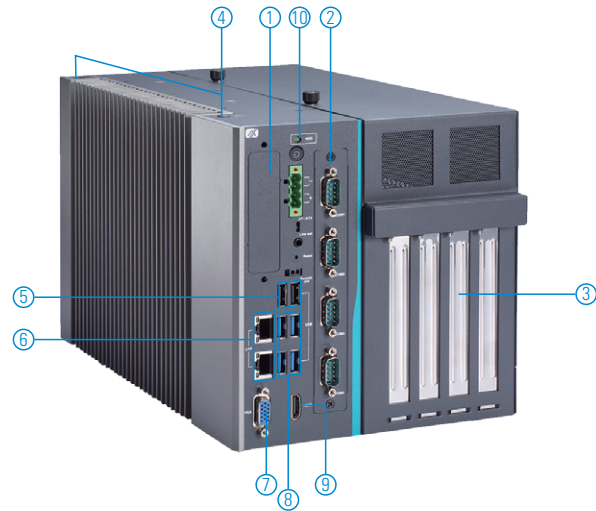
4-slot Industrial System with LGA1151 Socket Intel® Xeon® E3 v5, 7th/6th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® C236, Front-access I/O, PCIe and PCI Slots

## Features

- LGA1151 socket Intel® Xeon® E3 v5, 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, up to 80W (codename: Kaby Lake/Skylake)
- Intel® C236 chipset
- Supports 4 expansion slots for full-size add-in cards
- Supports system power on delay function
- -10°C to +70°C operating temperature range
- Supports ECM BIOS setting
- Supports Intel® RAID 0,1,5
- Supports NVIDIA® GPU (up to 300W TDP)
- Supports TPM 2.0
- Supports Intel® AMT 11.0



▲ Rear view



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|--|---|--|
| <p>1. Extension Window<br/>                 (1) Blank cover (default)<br/>                 (2) 1 x Wi-Fi kit and/or 1 x USB dongle kit<br/>                 (3) AX92902+AX93287: 1 x 10/100/1000 Mbps Ethernet module (Intel® i210-AT)<br/>                 (4) AX92903: CANBus module<br/>                 (5) AX92906: 1 x RS-232 module</p> | <p>2. Extension System I/O Module<br/>                 (1) AX93511: 4 x RS-232/422/485 module (default RS-232)<br/>                 (2) AX93512: 2 x RS-232/422/485 with isolated 1.5kVDC &amp; 8-in/8-out with isolated 1.5kVDC DIO module<br/>                 (3) AX93516: 4 x RS-232/422/485 with isolated 2kVDC module<br/>                 (4) AX93519: 1 x 10/100/1000 Mbps (Intel® i211-AT) Ethernet, 2 x RS-232/422/485, and 2 x USB 3.0 module<br/>                 (5) Blank I/O cover</p> | <p>3. Expansion Interface<br/>                 (1) AX96410: 1 PCIe x16 + 3 PCIe x4<br/>                 (2) AX96411: 1 PCIe x16 + 1 PCIe x4 + 2 PCI<br/>                 4. 2 x Antenna opening<br/>                 5. 2 x USB 2.0<br/>                 6. 2 x LAN<br/>                 7. 1 x VGA<br/>                 8. 4 x USB 3.0<br/>                 9. 1 x HDMI<br/>                 10. 1 x HDD access/power LED</p> |
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## Specifications

Standard Color	Sliver black
Construction	Aluminum extrusion heavy-duty cold-rolled steel
Processor System	CPU Level Intel® Xeon® E3 v5, 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, up to 80W (Kaby Lake/Skylake)*
	Chipset Intel® C236
System Memory	2 x DDR4-2133/2400 ECC/non-ECC 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 4-pin terminal block 1 x AT/ATX selectable switch 2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT & i219-LM) 4 x USB 3.0 2 x USB 2.0 1 x HDMI 1 x VGA 1 x Audio (Line-out)
Extension Window	Blank cover (default) 1 x Wi-Fi kit and/or 1 x USB dongle kit AX92902+AX93287: 1 x 10/100/1000 Mbps Ethernet module (Intel® i210-AT) AX92903: CANBus module AX92906: 1 x RS-232 module

Extension System 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 AX93519: 1 x 10/100/1000 Mbps (Intel® i211-AT) Ethernet, 2 x RS-232/422/485, and 2 x USB 3.0 module Blank I/O cover
TPM	TPM 2.0
Expansion Interface	AX96410: 1 x PCIe x16 + 3 x PCIe x4 AX96411: 1 x PCIe x16 + 1 x PCIe x4 + 2 x PCI 1 x Full-size PCI Express Mini Card slot with SIM slot (USB & PCIe interface) for Extension Window
Storage	1 x HDD drive bay (default, supports 2 x 2.5" HDD/SSD) 1 x HDD drive bay (optional, with additional 2 x 2.5" HDD/SSD) (7/9.5 mm height)
System Indicators	1 x HDD access/power LED
Power Input	Type: ATX/AT Input: 24 VDC (uMin=19V/uMax=30V)
Operating Temperature	-10°C to +70°C (+14°F up to +149°F) with W.T. HDD/SSD*
Storage Temperature	-20°C to +80°C (-4°F to +176°F)
Humidity	10% to 90%, non-condensing
Dimensions	188.14 mm (7.40") (W) x 192 mm (7.54) (H) x 317 mm (12.46") (D)
Weight (net/gross)	5.9 kg (13 lb)/7.3 kg (16.09 lb)
Certifications	CE
Software Support	AMS.AXView

\*Please refer to the user's manual for the system CPU support list and the system operating temperature list.

## Ordering Information

### System

IPC974-519-C236-N-DC-FL	4-slot fanless industrial system with Intel® Xeon® E3 v5, 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® C236 PCH, ECC memory and front-access I/O, without Axiomtek logo
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### Extension System I/O Module & Expansion Interface

AX93511 (P/N: 8816G974020E)	4 x RS-232/422/485 module (default RS-232)
AX93512 (P/N: 8816G974030E)	2 x RS-232/422/485 with isolated 1.5kVDC & 8-in/8-out with isolated 1.5kVDC DIO module
AX93516 (P/N: 8816G974040E)	4 x RS-232/422/485 with isolated 2kVDC module
AX93519 (P/N: 8816G974050E)	1 x 10/100/1000 Mbps (Intel® i211-AT) Ethernet, 2 x RS-232/422/485 & 2 x USB 3.0 module
726G9740690E	Blank I/O cover
AX96410 (P/N: 83964101000E)	1 x PCIe x16 + 3 x PCIe x4
AX96411 (P/N: 83964111000E)	1 x PCIe x16 + 1 x PCIe x4 + 2 x PCI

### Extension Window

Wi-Fi & antenna kit	
8816G9742A0E	USB dongle key kit
AX92902+AX93287 (P/N: 8816G974AA0E)	1 x 10/100/1000 Mbps Ethernet module (Intel® i210-AT)
AX92903 (P/N: 8816G974BA0E)	CANBus module
AX92906 (P/N: 8816G974CA0E)	1 x RS-232 module

### Optional Accessory

2.5" SATA HDD/SSD	
DDR4-2133 ECC/non-ECC SO-DIMM, up to 32GB	
8816G9741A0E	IPC974-519 fan module kit
8816G9740A0E	Wall mount bracket kit
8816G9749A0E	HDD drive bay (supports 2 x 2.5" HDD/SSD)
8816G9748A0E	300W power board and 2 cables for Graphic card
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

## Power Protection

### DC Version

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

## Packing List

- 1 x IPC974-519 unit
- 1 x Screw pack
- 4 x Foot pad
- 1 x CPU grease
- 1 x Terminal block
- 1 x Remote power switch cable
- 1 x Extension holder bracket kit
- 2 x HDD bracket kit

## Dimensions

