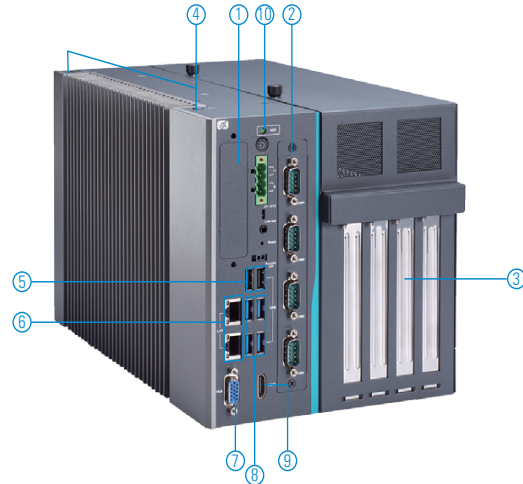


# IPC974-519-FL NEW

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



1. Extension Window
- (1) Blank cover (default)
- (2) 1 x Wi-Fi kit and/or 1 x USB dongle kit
- (3) AX92902+AX93287: 1 x 10/100/1000 Mbps Ethernet module (Intel® i210-AT)
- (4) AX92903: CANBus module
- (5) AX92904+AX98615: 4-in/4-out DIO with isolated 1.5kVDC module
- (6) AX92905: audio kit (Mic-in/Line-in/Line-out)
- (7) AX92906: 1 x RS-232 module
- (8) AX92906+AX93136: 1 x RS-232/422/485 with isolated 1.5kVDC module (default RS-232)
- (9) AX92909: 2 x USB 3.0 module
2. Extension System I/O Module
- (1) AX93511: 4 x RS-232/422/485 module (default RS-232)
- (2) AX93512: 2 x RS-232/422/485 with isolated 1.5kVDC & 8-in/8-out with isolated 1.5kVDC DIO module
- (3) AX93516: 4 x RS-232/422/485 with isolated 2kVDC module
- (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
- (5) Blank I/O cover
3. Expansion Interface
- (1) AX96410: 1 PCIe x16 + 3 PCIe x4
- (2) AX96411: 1 PCIe x16 + 1 PCIe x4 + 2 PCI
4. 2 x Antenna opening
5. 2 x USB 2.0
6. 2 x LAN
7. 1 x VGA
8. 4 x USB 3.0
9. 1 x HDMI
10. 1 x HDD access/power LED

## Specifications

Standard Color	Silver 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	
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	
	AX92904+AX98615: 4-in/4-out DIO with isolated 1.5kVDC module	
	AX92905: audio kit (Mic-in/Line-in/Line-out)	
	AX92906: 1 x RS-232 module	
	AX92906+AX93136: 1 x RS-232/422/485 with isolated 1.5kVDC module (default RS-232)	
AX92909: 2 x USB 3.0 module		

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
TPM	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
Expansion Interface	Blank I/O cover
Storage	TPM 2.0
	AX96410: 1 x PCIe x16 + 3 x PCIe x4
System Indicators	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
Power Input	1 x HDD drive bay (default, supports 2 x 2.5" HDD/SSD)
	1 x HDD drive bay (optional, supports 2 x 2.5" HDD/SSD) (7/9.5 mm height)
Operating Temperature	1 x HDD access/power LED
	Type: ATX/AT
Storage Temperature	Input: 24 VDC (uMin=19V/uMax=30V)
	-10°C to +70°C (+14°F up to +149°F) with W.T. HDD/SSD*
Humidity	-20°C to +80°C (-4°F to +176°F)
	10% to 90%, non-condensing
Weight (net/gross)	Dimensions
	188.14 mm (7.40") (W) x 192 mm (7.54") (H) x 317 mm (12.46") (D)
Certifications	5.9 kg (13 lb)/7.3 kg (16.09 lb)
	CE

\*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-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
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

### 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	
AX92902+AX93287	1 x 10/100/1000 Mbps Ethernet module (Intel® i210-AT)
AX92903	CANBus module
AX92904+AX98615	4-in/4-out DIO with isolated 1.5kVDC module
AX92905	Audio kit (Mic-in/Line-in/Line-out)
AX92906	1 x RS-232 module
AX92906+AX93136	1 x RS-232/422/485 with isolated 1.5kVDC module (default RS-232)
AX92909	2 x USB 3.0 module

### Optional Accessory

2.5" SATA HDD/SSD	
DDR4-2133 ECC/non-ECC SO-DIMM, up to 32GB	
826G9740030E/ 8816G9741A0E	IPC974-519 fan module kit
826G9740020E/ 8816G9740A0E	Wall mount bracket kit
826G9740040E	HDD drive bay (supports 2 x 2.5" HDD/SSD)
826G9740070E	300W power board and 2 cables for Graphic card
826G9740050E/ 8816G9742A0E	USB dongle kit
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

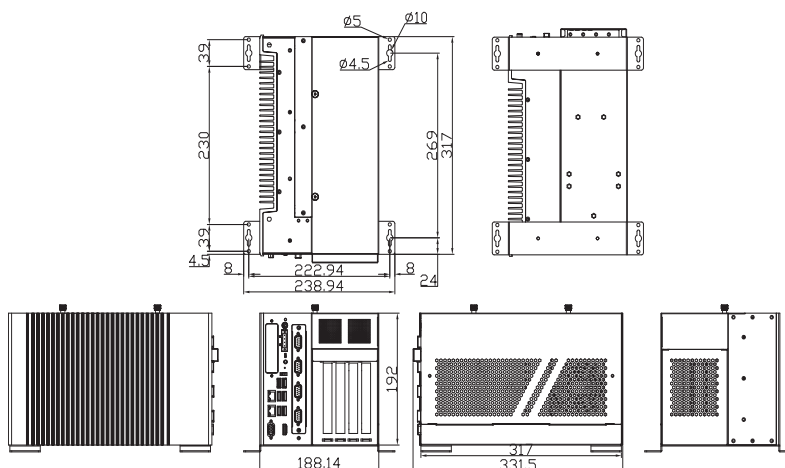
### DC Version

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



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## 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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