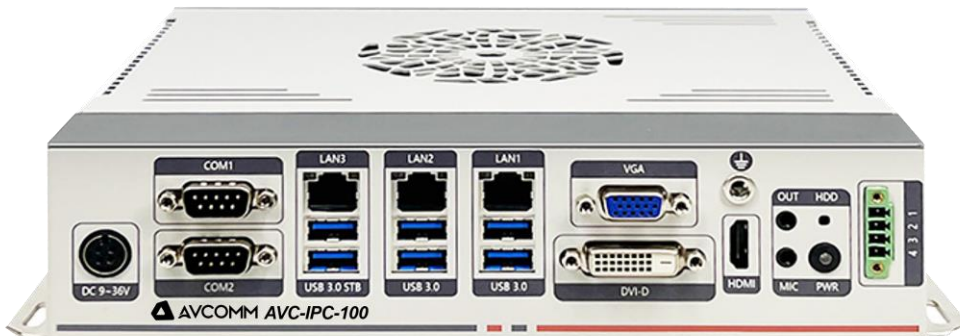




AVC-IPC-100

Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



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Multi-expansion IPC Enables Flexible Multi-functional Expansion

AVC-IPC-100

AVCOMM AVC-IPC-100 is Industrial Personal Computer (IPC) with rich interfaces and expansion card slots. Rich interface design is suitable for more industrial equipment. Equipped with Intel® processor, it revolutionizes speed and runs efficiently. Aluminum alloy enclosure, anti-seismic and compressive, anti-high and low temperature. Fanless design/silent temperature control is optional. SSD enable quick boot-up and fast read/write.



Features

Powerful configuration

- Fast processing, high stability, and best compatibility

Aluminum alloy enclosure

- Anti-seismic and compressive, anti-high and low temperature

Metal grid heat dissipation

- Fanless design/silent temperature control is optional

Fully enclosed design

- Dust-proof, anti-interference, moisture-proof

Round-the-clock operation

- 7*24 hours stable operation all year round

Rich interface design

- It can be adapted to more industrial equipment



Ordering Information

Model Name	Description
AVC-IPC-100-16	Industrial Personal Computer (IPC) ,16GB, 3 x LAN, 6 x USB , 2 x COM RS232/422/485, DC 9~36V , -10°C ~ 60°C
AVC-IPC-100-32	Industrial Personal Computer (IPC) , 32GB, 3 x LAN, 6 x USB , 2 x COM RS232/422/485, DC 9~36V , -10°C ~ 60°C

Performance	
CPU	Intel® 6/7/8/9th Gen Core™ i7/i5/i3/Pentium® /Celeron® LGA1151 processor Coffee Lake 14nm 8/9th Gen Kaby Lake 14nm 7th Gen Skylake 14nm 6th Gen
Chipset	Intel® H110/Q170 Chipset
BIOS	64MbSPIFLASH
Memory	2 x DDR4 2133/2400/2666MHz memory slots, up to 64GB
Display	1 x VGA, 1 x DVI-D, 1 x HDMI display port
Network	1 x Intel® i211, 1 x Intel® i219, 1 x Realtek 8125BG 2.5G LAN card
Store	1 x mSATA, 1 x m.2 M-Key SATA/NVMe 2280 (Q170)
Audio	Realtek sound card, support Line-out, Mic-in
Watchdog	Watchdog reset function, support 1~255 seconds system restart
Operation System	Support Win7/8/10/11/Linux
Interface	
USB	6 x USB 3.0, expandable with more USB ports
COM	2 x COM, RS232/422/485 adjustable, high-speed optical coupled isolation, expandable with more COM ports
Expansion Interface	Rich interface expansion capabilities, including COM, USB, SMBUS, PS/2, LPT, 16/32-channel GPIO, multi-network port vision card, and light controller
Expansion Slots	Rich slot expansion capabilities, flexible combination of PCIE16X, 4X (Q170), 1X, and PCI slots, offering dozens of expansion slot options
Power Requirement	
Power Interface	Lockable DC 9~36V power supply interface, available with two types of power terminals: round and wired
Mechanical	
Enclosure Material	Aluminum alloy
Dimension	57 mmx 263 mm x 210 mm
Fanless	Closed fan-less cooling, eliminating the potential for failures caused by traditional internal cooling fans and dust accumulation
Temperature-controlled Auxiliary Cooling Fan	Optional external temperature-controlled auxiliary fan that runs at idle speed when temperatures are low, gradually increasing its speed as temperatures rise, and ultimately operating at full speed. It is easy to disassemble and maintain. For high-temperature and enclosed environments, the external temperature-controlled auxiliary cooling fan participates in auxiliary cooling, enhancing heat dissipation, improving system operation comfort, and enhancing system stability.
Placement	Horizontal fixing, multi-slot model supports vertical fixing
Environmental	
Operating Temperature	-10° C ~ 60° C
Storage Temperature	-20° C ~ 85° C
Operating Humidity	5% ~ 95% (non-condensing)
Vibration	Vibration with SSD: 5Grms/5~500Hz/random; with HDD: 1Grms/5~500Hz/random
Impact	Impact with SSD: 50G/half-sine/11ms duration; with HDD: 20G/half-sine/11ms duration
Standard	
EMC/Certification	CE/FCC/CCC

Function interface

Power Supply

- DC 9~36V

Ethernet

- 3 x Gigabit Ethernet

COM Port

- 2 X COM RS232/422/485

USB

- 6 x USB 3.0

Other Interface

- 1 x VGA
- 1 x DVI-D
- 1 x HDMI
- 1 x audio

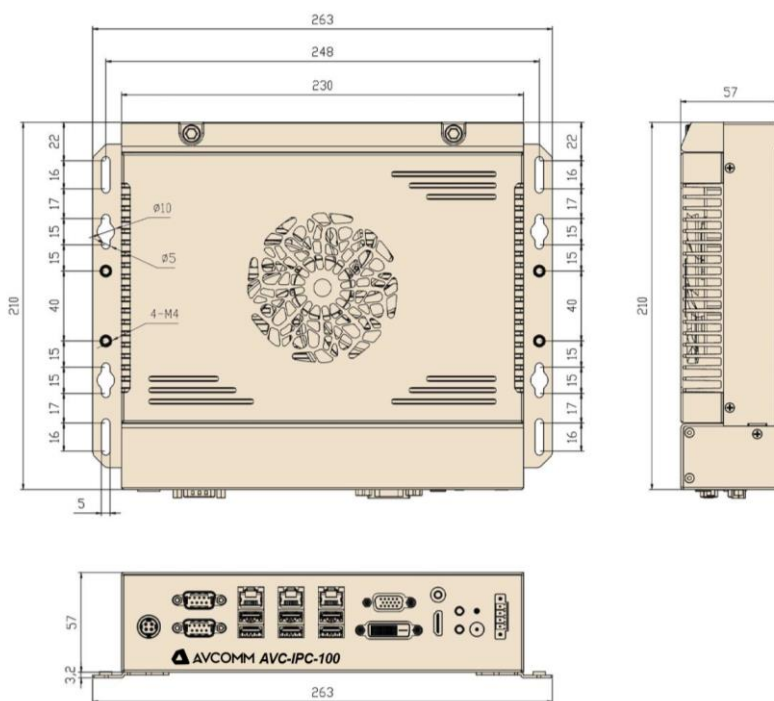
Indicator

- 1 x Power
- 1 x Hard disk

Ground

Remote Control Terminal Blocks

Installation dimensions



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