

Power. Beautiful.

Excellence · Innovation

iBOX3967F



Shanghai Panelmate Electronics Co., Ltd.

iBOX3967F Fanless Industrial Edge Box PC

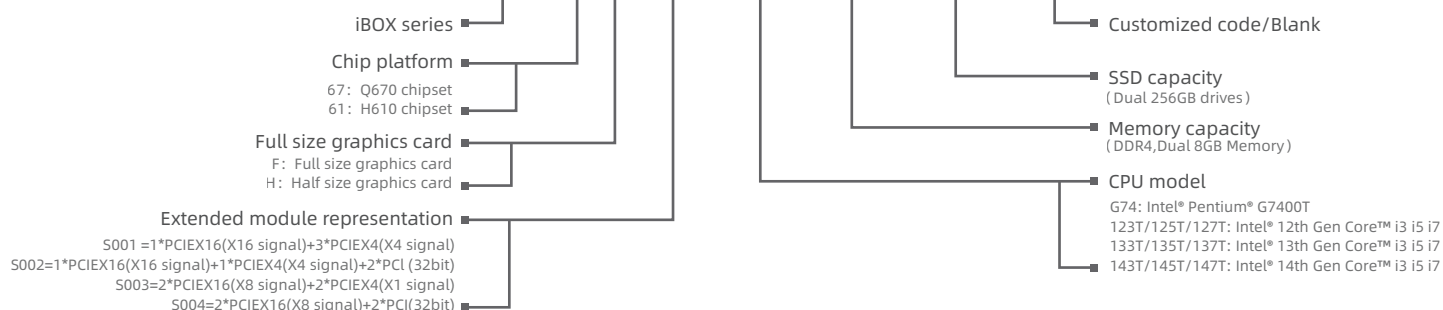


Features

- Compact sheet metal housing, large area aluminium fin design to ensure a good cooling system
- Unilateral interface, DIN rail wall-mounted
- 3x RJ45 support EtherCAT and jumbo frames
- Expansion: 1*PCIEX16+3*PCIEX4, or 1*PCIEX16+1*PCIEX4+2*PCL, or 2*PCIEX16+2*PCIEX4, or 2*PCIEX16+2*PCI
- Supports graphics cards with performance up to RTX-4090 (Q670 chipset)
- Storage: 2xM.2 Key PCIe, 2xSATA3.0 2.5"
- 6x USB 3.0, 3xGLAN
- 2 x COM(DB9), support BIOS options RS232/RS422/RS485
- Dual display: DVI + DP
- OS: Win10, Win11, Linux, etc
- Extendable WIFI, 4G/5G、BT
- DC 12V

Namely Rule

iBOX39XX F-S000-127T-4D8G-D256G-xxxx

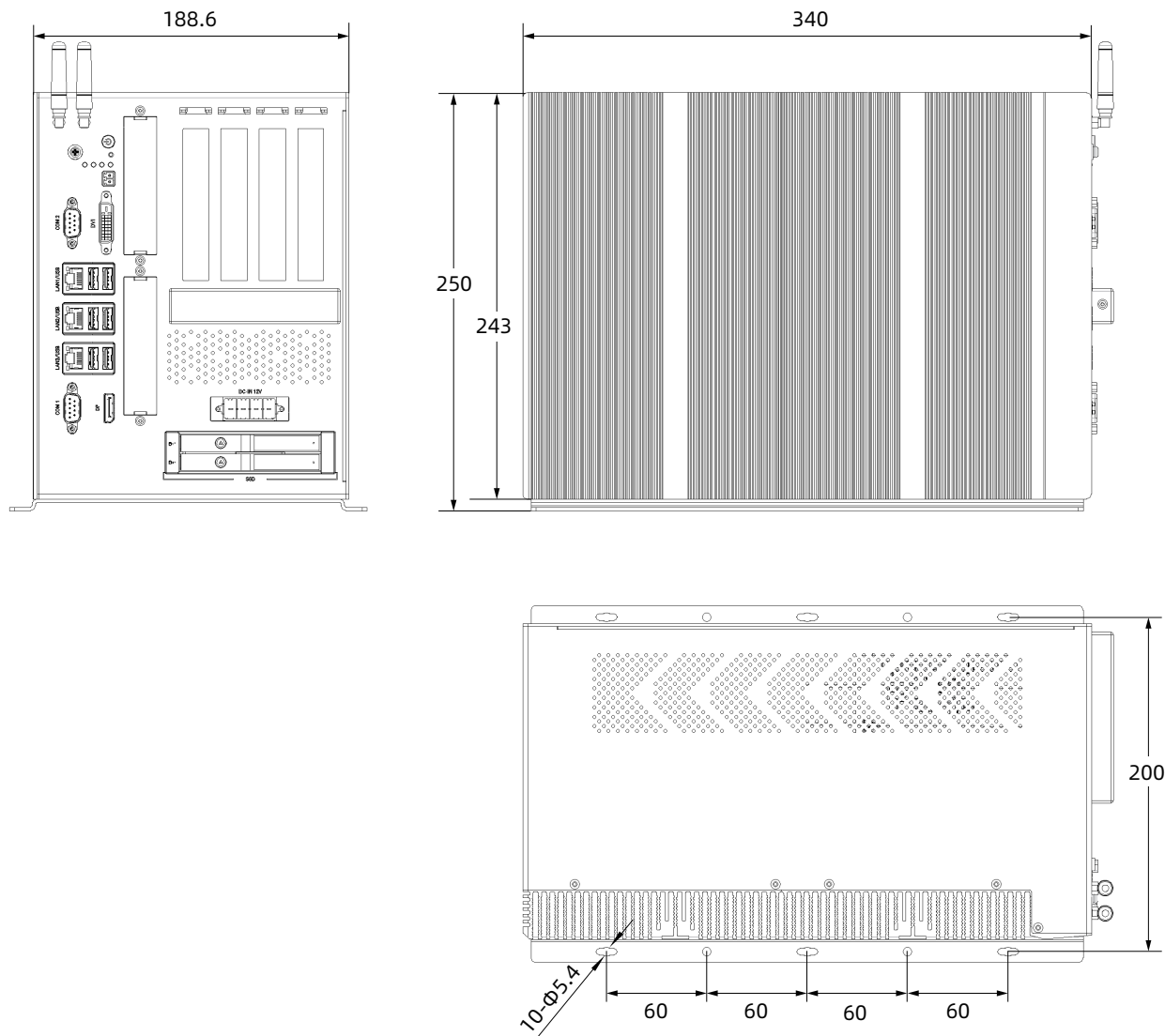


Specifications

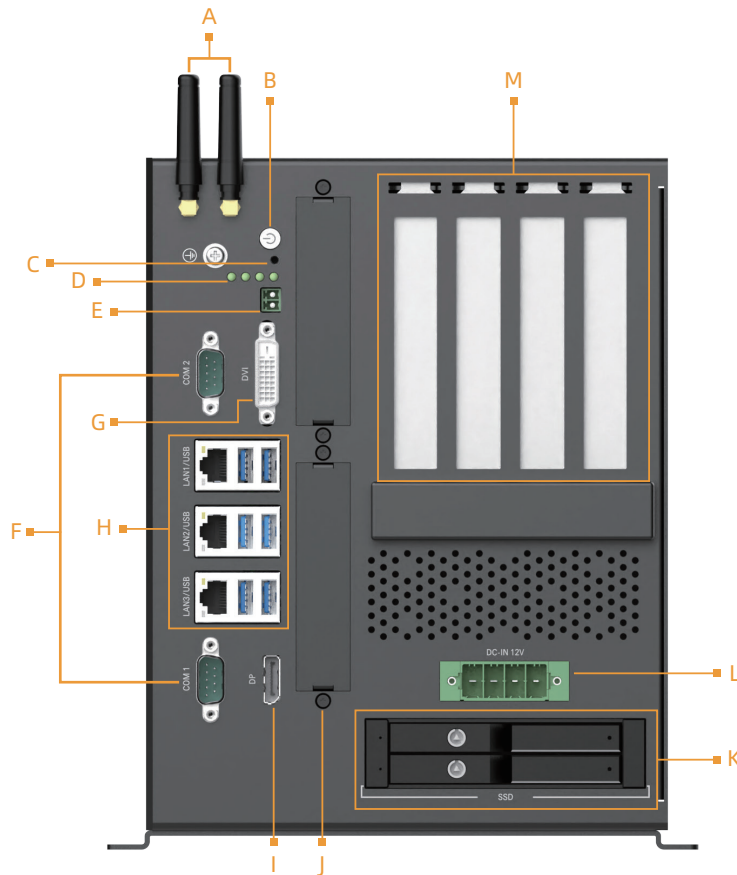
Model		iBOX3967F
Processor	CPU	Intel® Pentium® G7400T/Intel® 12th/13th/14th Gen Core™ i3/i5/i7
	Memory	DDR4-3200 Max 64G
	Storage	2xM.2 Key PCIe, 2xSATA3.0 2.5"
	BIOS	AMI UEFI 64Mbit
I/O	LAN	3xRJ45 Gigabit LAN
	USB	6xUSB3.0
	COM	2xRS232/RS422/RS485, The interface is isolated from TVS (DB9), and the RS485 supports automatic flow control
	Display Type	1xDP: Max resolution up to 4096x2304@60Hz
		1xDVI-D: Max resolution up to 1920x1200@60Hz
	Input Voltage	DC 12V IN 4-pin connection terminal
	Audio	Realtek ALC662VD audio controller, Supports 5.1 channels
	Control Switch	1xPower
OS	OS	Windows10, Windows11, Linux, etc
Physical	Dimension (L x W x H)	Dual network port: 340mm x 188.6mm x 243mm (13.39" x 7.43" x 9.57")
	Box Structure	Sheet metal housing, large aluminium fin heat dissipation, GND protection
	Mounting	Flat mounting, Wall-mounting
	Power	200W (iBOX without graphics card) ; 500W (iBOX + Graphics card power)
Environment	Operating Temperature	0~60°C
	Storage Temperature	-20~70°C
	Relative Humidity	5~95% (Non condensation)
	Shock	Operating 10G peak acceleration(11 ms duration), follow IEC 60068-2-27
	Vibration	Operating Random Vibration Test 5~500Hz, 1Grms@with HDD; 2Grms@with SSD, follow IEC 60068-2-64
	EMC	CE/FCC Class A

Technical Drawings unit: mm

For the correct interface, see the External I/O Interface section, which is for dimensional reference only.



External I/O View



Interface definition:

- A: WIFI Bluetooth antenna
- B: Power on Button
- C: Clear CMOS Button
- D: HDD LED
- E: Power Button Terminal Block
- F: 2 x COM
- G: DVI
- H: 6 x USB3.0, 3 x LAN
- I: DP
- J: iDOOR
- K: 2 x SSD
- L: DC IN 12V
- M: PCIe expansion

Ordering Information

Model	Description
iBOX3967F-S001-G74-4D8G-D256G	CPU: Intel® Pentium® G7400T, DDR4-3200, Dual 8G RAM, Dual 256G SSD, 2xCOM, 6xUSB3.0, 3xLAN, 1xDVI, DC IN 12V
iBOX3967F-S001-125T-4D8G-D256G	CPU: Intel® 12th Gen Core™ i5, DDR4-3200, Dual 8G RAM, Dual 256G SSD, 2xCOM, 6xUSB3.0, 3xLAN, 1xDVI, DC IN 12V
iBOX3967F-S001-135T-4D8G-D256G	CPU: Intel® 13th Gen Core™ i5, DDR4-3200, Dual 8G RAM, Dual 256G SSD, 2xCOM, 6xUSB3.0, 3xLAN, 1xDVI, DC IN 12V
iBOX3967F-S001-145T-4D8G-D256G	CPU: Intel® 14th Gen Core™ i5, DDR4-3200, Dual 8G RAM, Dual 256G SSD, 2xCOM, 6xUSB3.0, 3xLAN, 1xDVI, DC IN 12V

Optional Accessories

RAM	DDR4-3200, 8GB, 16GB, 32GB, 64GB
M.2	64GB, 128GB, 256GB, 512GB, 1TB
ES500890	200W Adaptor

Packing List

Terminal	4pin Terminal
Terminal	2pin Terminal

Note: Package contents are subject to change without prior notice