

Power. Beautiful.

Excellence · Innovation

iBOX3967F



Shanghai Panelmate Electronics Co., Ltd.

iBOX3967F Industrial Edge Box PC

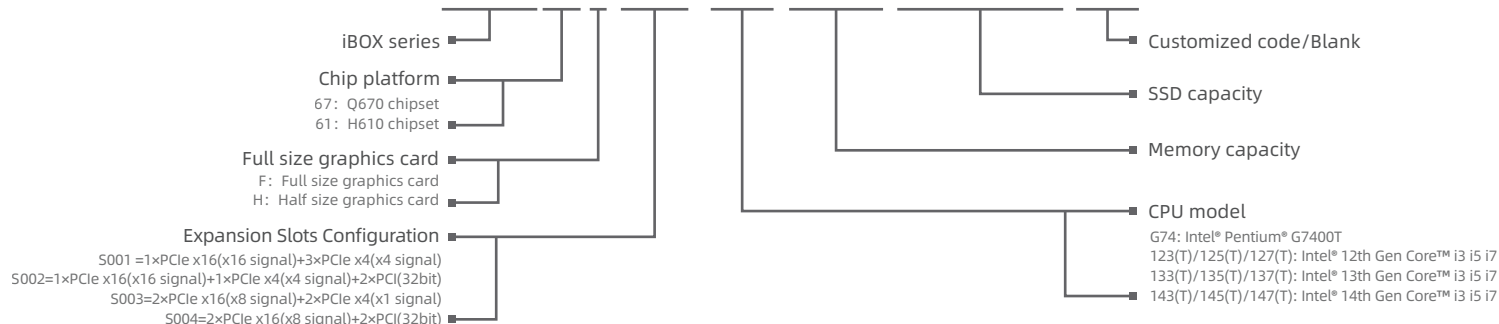


Features

- Compact sheet metal housing, large area aluminium fin design to ensure a good cooling system
- Unilateral interface, Flat mounting, Wall-mounting
- 3xRJ45 support EtherCAT and jumbo frames
- Equipped with 2 RAM slots, 2 M.2 SSD slots, 2 Mini PCIe slots and additional PCIe slots
- PCIe slots expansion: 1xPCIe x16+3xPCIe x4, or 1xPCIe x16+1xPCIe x4+2xPCI, or 2xPCIe x16(x8 signal)+2xPCIe x4, or 2xPCIe x16(x8 signal)+2xPCI
- Supports graphics cards with performance up to RTX-4090 (Q670 chipset)
- 2xCOM(DB9), supports BIOS selectable RS232/RS422/RS485
- Storage: 2xM.2 Key PCIe, 2xSATA3.0 2.5"
- 6xUSB 3.0, 3xGLAN
- Dual display: DVI + DP
- OS: Win10, Win11, Linux, etc
- Extendable WIFI, 4G/5G, BT
- DC-IN 12V

Naming Rule

iBOX39XX F-S002-127T-8G/8G-256G/256G-xxxx

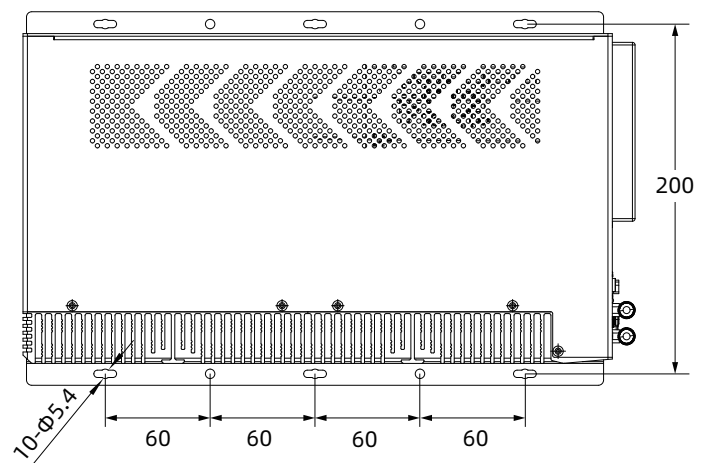
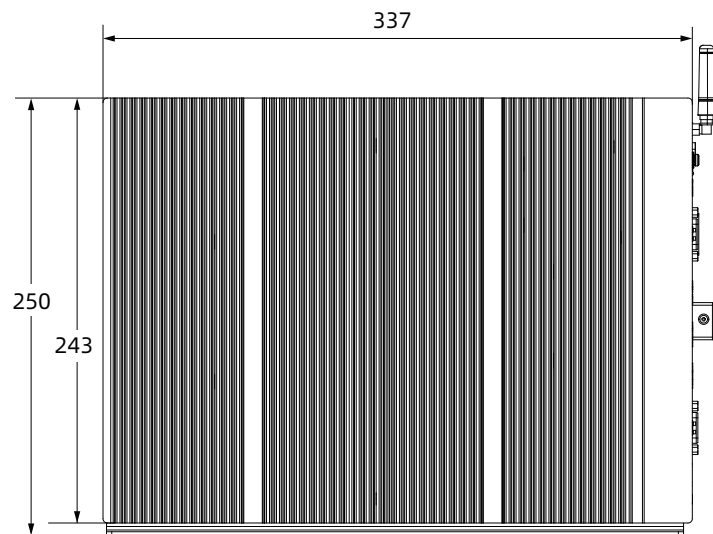
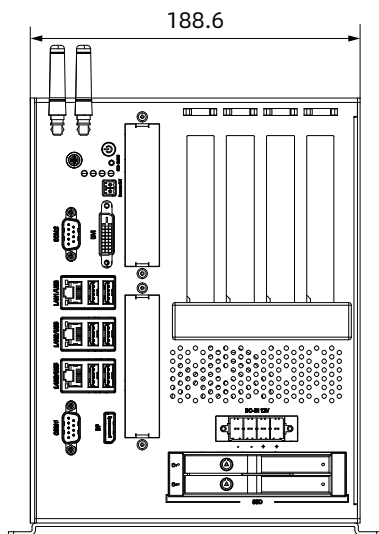


Specifications

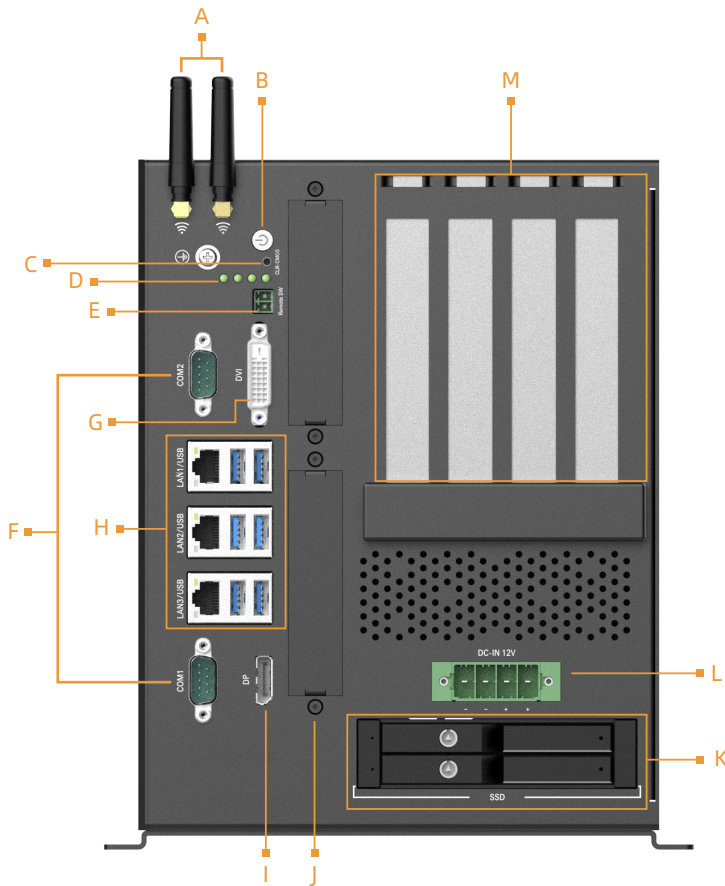
Model	iBOX3967F	
Processor	CPU	Intel® Pentium® G7400T/Intel® 12th/13th/14th Gen Core™ i3/i5/i7
	Memory	DDR4-3200 Max: 64GB
	Storage	2xM.2 Key PCIe, 2xSATA3.0 2.5"
	BIOS	AMI UEFI 64Mbit
I/O	LAN	3xRJ45 Gigabit LAN
	USB	6xUSB3.0
	COM	2xRS232/RS422/RS485, The interface is isolated from TVS (DB9), and the RS485 supports automatic flow control
	Display Type	1xDP: Max resolution up to 4096x2160@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)	337mmx188.6mmx243mm (13.27"x7.43"x9.57")
	Box Structure	Sheet metal housing, large aluminium fin heat dissipation, GND protection
	Mounting	Flat mounting, Wall-mounting
	Power	200W (iBOX without graphics card); 500W optional (iBOX with graphics-card support)
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/4G
- B: Power On Button
- C: Clear CMOS Button
- D: Power LED+ HDD LED+ 2xProgrammable LED
- E: Power Button Terminal Block
- F: 2xCOM
- G: 1xDVI-D
- H: 6xUSB3.0, 3xLAN
- I : 1xDP
- J : iDOOR Expansion Port
- K : 2xSSD
- L : DC IN 12V
- M: PCIe Expansion Slots (S001/S002/S003/S004)

Ordering Information

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

Optional Accessories

RAM	DDR4-3200, 8GB, 16GB, 32GB, 64GB
SSD	64GB, 128GB, 256GB, 512GB, 1TB
Power adapter	200W / 500W / 1000W, 12V DC

Packing List

Terminal	1x4-pin 12V power terminal
Terminal	1x2-pin power button terminal

Note: Package contents are subject to change without prior notice