

Power. Beautiful.

Excellence · Innovation

iBOX22XX



Shanghai Panelmate Electronics Co., Ltd.

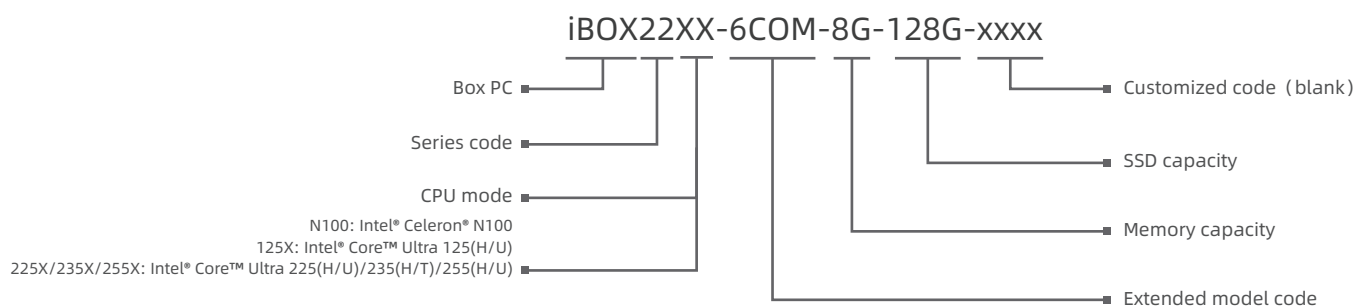
iBOX22XX Fanless Industrial Box



Features

- Compact aluminum-magnesium alloy profile housing, fanless heat dissipation & dust-proof design
- CPU: Intel® Celeron® N100, Intel® Core™ Ultra 125/225/235/255 Series (Supports H/U/T variants)
- Dual installation support: wall-mount bracket & screw side wall mounting
- 3xLAN (1xI210 Gigabit Ethernet, 2xI226 2.5G Ethernet Ports), 4xUSB3.0
- DP + HDMI dual display interface
- 6xCOM ports: 2xRS485/RS232 switchable ports, 4xisolated RS232 ports
- OS : Windows 10, Windows 11, Linux, etc.
- Optimized real-time performance, ideal for industrial motion control applications
- Wide voltage input: DC 12~36V

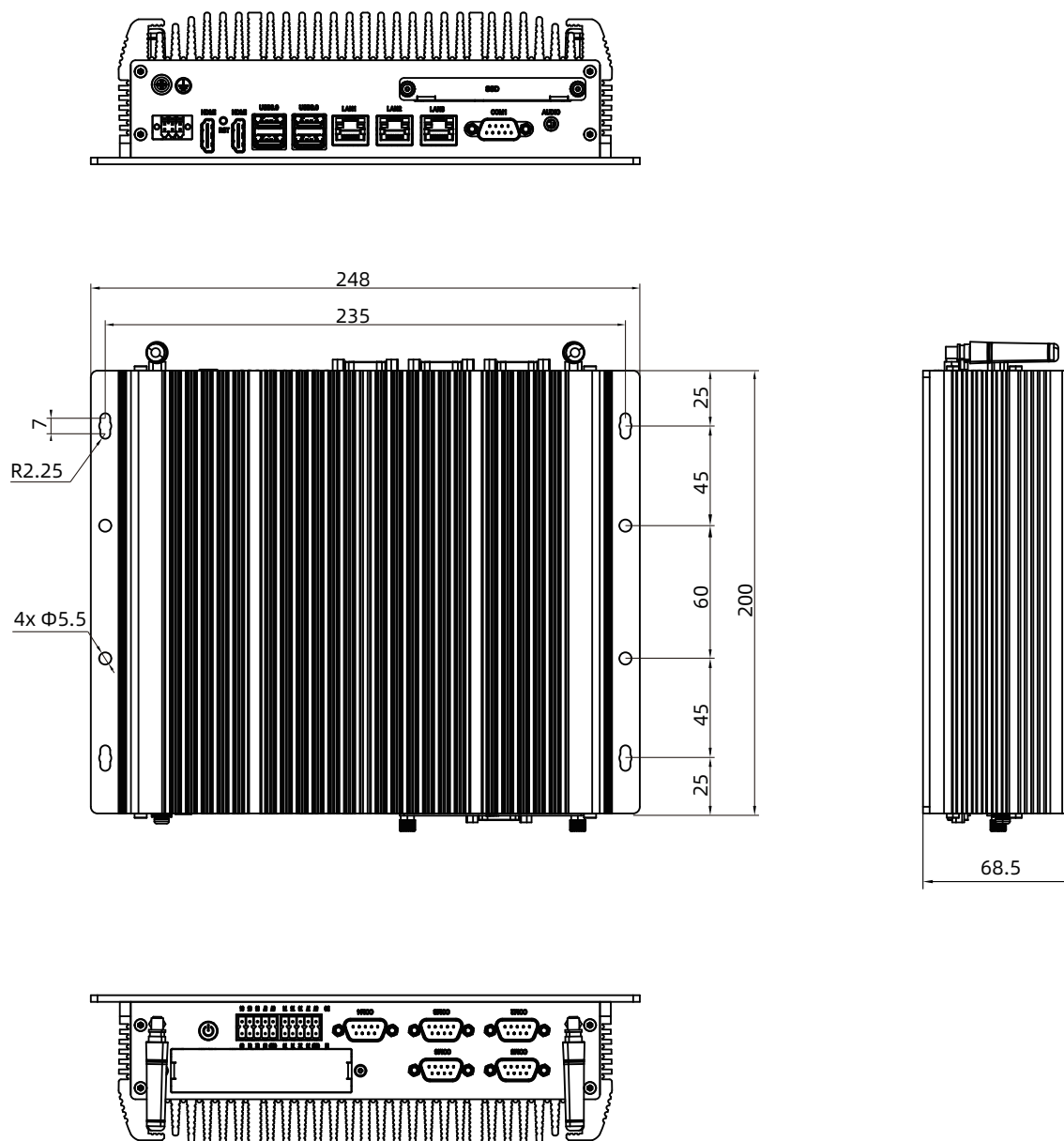
Namely Rule



Specifications

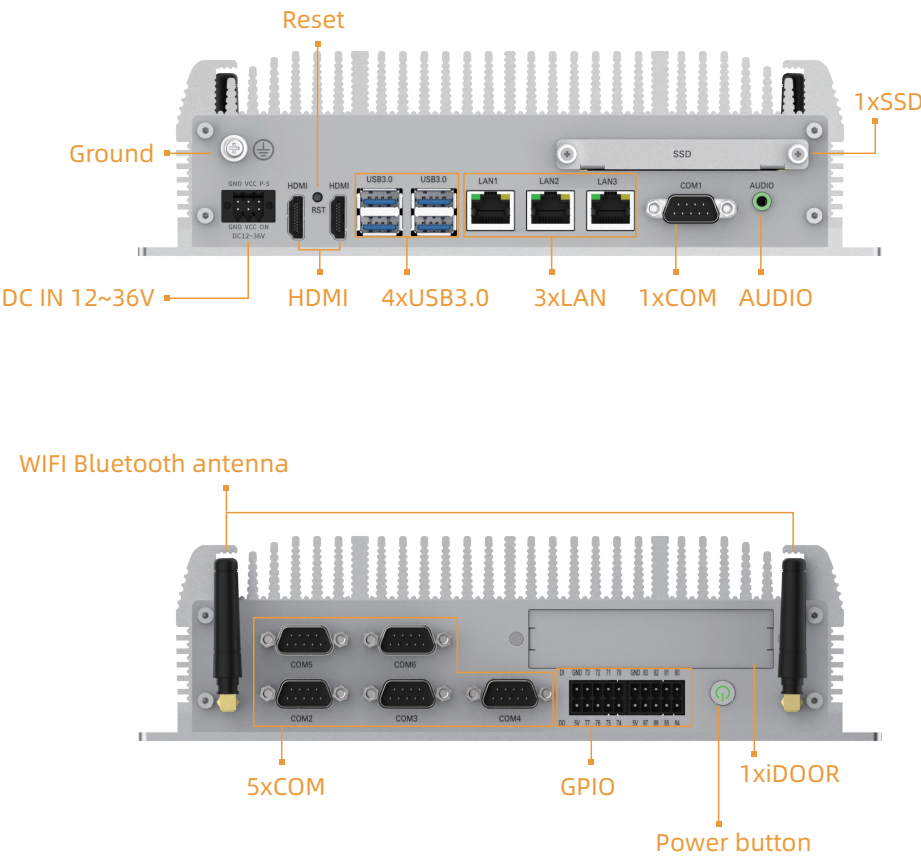
Model		iBOX22XX-6COM
Processor	CPU	Intel® Celeron® N100, Intel® Core™ Ultra 5 125(H/U)/5 225(H/U)/5 235(H/T)/7 255(H/U)
	Memory	max 2*32G, DDR4/DDR5; Ultra CPU supports DDR5 only, others DDR4
	Storage	max 2*1T, internal M.2 + mSATA dual SSD slots + external hot-swappable 2.5" SATA SSD slot
	BIOS	AMI UEFI 64Mbit
I/O	LAN	1 x I210 Gigabit Ethernet Port, 2 x I226 2.5G Ethernet Ports
	USB	4xUSB3.0
	COM	2 x RS485/RS232 Ports, 4 x Isolated RS232 Ports
	HDMI	1xHDMI
	DP	1xDP
	Input Voltage	DC12~36V
	Audio	Realtek ALC662VD Audio Controller, Supports 5.1 Channels, Audio Output & Microphone Input
	Control Switch	1xPower
OS	OS	Windows 10, Windows 11, Linux, etc.
Physical	Dimension (L x W x H)	248mm x 200mm x 68.5mm (9.76" x 7.87" x 2.70")
	Box Structure	Compact aluminum-magnesium alloy profile housing, Large aluminum fins dissipate heat GND protection
	Mounting	wall-mount bracket & screw side wall mounting
	Power	120W
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



The final appearance shall be subject to the physical product.

External I/O View



Ordering Information

Model	Description
iBOX22XX	CPU: Null, RAM: Null, M.2 SSD: Null; 6xCOM (2xRS485/RS232 Ports, 4xIsolated RS232 Ports), 3xLAN (1x1210 Gigabit Ethernet Port, 2x1226 2.5G Ethernet Ports), 4 x USB3.0, 1xHDMI, 1xDP, 1xAudio, DC 12~36V power input
iBOX22225-6COM-8G-128G	CPU: Intel® Core™ Ultra 5 225H CPU, RAM: 8GB DDR5, 128GB M.2 SSD; 6xCOM (2xRS485/RS232 Ports, 4xIsolated RS232 Ports), 3xLAN (1x1210 Gigabit Ethernet Port, 2x1226 2.5G Ethernet Ports), 4 x USB3.0, 1xHDMI, 1xDP, 1xAudio, DC 12~36V power input
iBOX22235-6COM-8G-128G	CPU: Intel® Core™ Ultra 5 235H CPU, RAM: 8GB DDR5, 128GB M.2 SSD; 6xCOM (2xRS485/RS232 Ports, 4xIsolated RS232 Ports), 3xLAN (1x1210 Gigabit Ethernet Port, 2x1226 2.5G Ethernet Ports), 4 x USB3.0, 1xHDMI, 1xDP, 1xAudio, DC 12~36V power input
iBOX22255-6COM-8G-128G	CPU: Intel® Core™ Ultra 7 255H CPU, RAM: 8GB DDR5, 128GB M.2 SSD; 6xCOM (2xRS485/RS232 Ports, 4xIsolated RS232 Ports), 3xLAN (1x1210 Gigabit Ethernet Port, 2x1226 2.5G Ethernet Ports), 4 x USB3.0, 1xHDMI, 1xDP, 1xAudio, DC 12~36V power input

Optional Accessories

RAM	DDR5-6400MHz, 4GB, 8GB, 16GB, 32GB
M.2 SSD	128GB, 256GB, 512GB, 1TB
Optional	2.5" SATA SSD Slot

Terminal	6pin Phoenix Terminal
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Note: Package contents are subject to change without prior notice