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IPC22240D

IPC24240D



Shanghai Panelmate Electronics Co., Ltd.

24" FHD Industrial Panel PC (D Series, Portrait Screen)

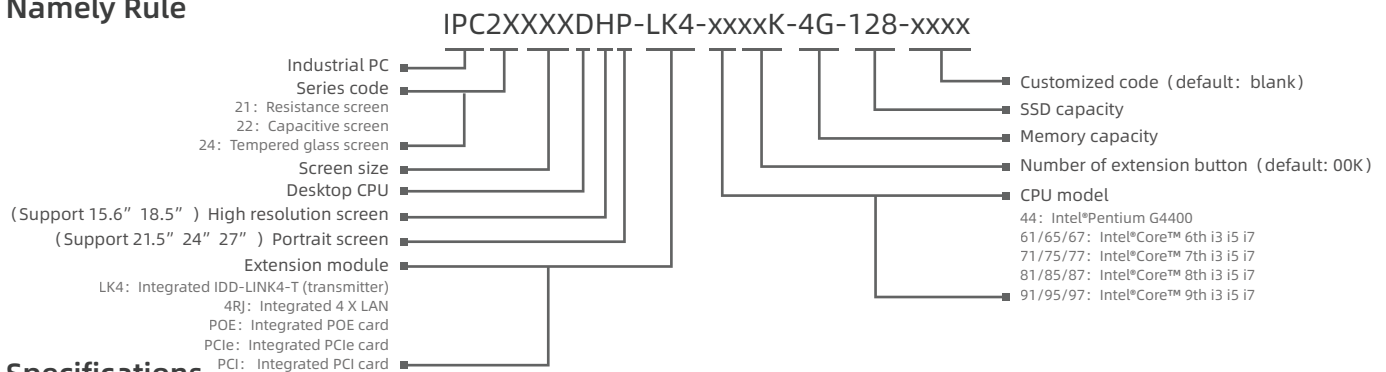
IPC22240D(P) & IPC24240D(P)



Features

- Display type: 12.1",12.2",15",15.6",17",18.5",19",21.5",24",27"
- Front panel/back cover: Aluminium-magnesium alloy
- Modular design, with PC6970 series desktop host, support expansion
- Expansion 1 x PCIe x 16 + 1 x PCIe x 8 or 1 x PCIe x 16 + 1 x PCI
- Front panel/Rear: IP65 / IP20
- Screen Type: Single point resistive touchscreen,Multi-point capacitive touchscreen,Tempered glass screen
- OS:Win7, Win8, Win10, Win11, Linux,etc
- Processor:Intel®Core™6th/7th/8th/9th i3 i5 i7、Intel®Pentium® processor optional
- DC 12~24V
- Active cooling with fan

Namely Rule

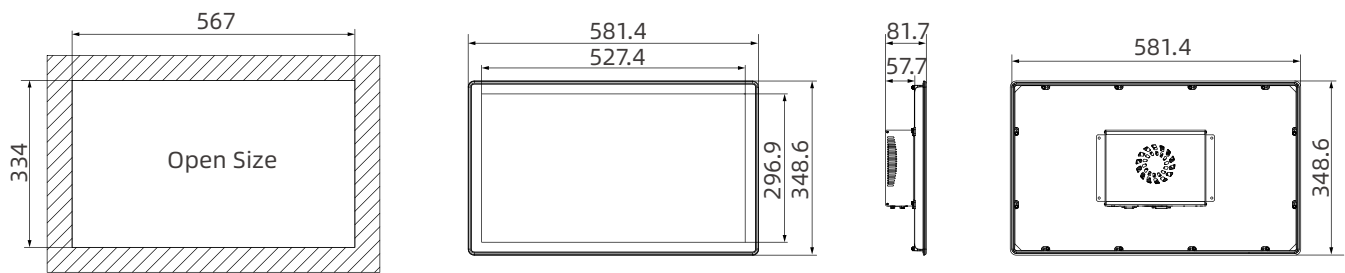


Specifications

Model		IPC22240D (P) &IPC24240D (P)
Processor	CPU	Intel®Pentium G4400, Intel®Core™ 6/7/8/9th i3/ i5/ i7
	BIOS	AMI UEFI 64Mbit
	chipset	H110
	Memory	DDR4-2133, Max: 32GB
	Storage	1x2.5" SATA 3.0+1 x mSATA
I/O	Network (LAN)	2xIntel i210 1000Mbps RJ45 ethernet port with surge protection
	Audio	Realtek® HDA Codec, with MIC/Line-out and Amplifier
	USB	4xUSB3.0
	COM	2xRS232/RS485 with surge protection, RS485 support automatic flow control
	Expansion Slot	1xMini-PCIe X1,Support 4G LTE/WIFI/BT with Sim card slot
	Rear I/O	1xDVI/2xGLAN/4xUSB3.0/2xCOM/DP/DC IN/Power Switch
Power	Input Voltage	DC 12~24V
	Power	130W
Physical	Display Port	DP/DVI
	Dimension (WxHxD)	581.4mm x 348.6mm x 66mm (22.89" x 13.72" x 2.60")
	Open Size (WxH)	567mm x 334mm (22.32" x 13.15")
	Net Weight(kg)	7.65kg
	Mounting	Embedded
LCD	Display Type	24" FHD TFT
	Resolution	1920 x 1080
	Colors	16.7M
	Active Area (WxH)	527.04mm x296.46mm (20.75" x 16.67")
	Backlight	LED
	MTBF (hour)	30000hrs
	Pixel Pitch (HxV)	0.2745 x 0.2745
	Luminance(cd/m2)	250cd/m2
	Contrast Ratio	3000:1
	Viewing Angle	(L)89 / (R)89 / (U)89 / (D)89
Touchscreen	Touch Type	Multi-point capacitive touchscreen & Tempered glass screen
	Light Transmission	>85%
	Controller	USB interface
	Driver Support	Windows7, Windows8, Windows 10, Windows 11, Linux
	Multi-touch	10 points
	Surface Hardness	Capacitive touchscreen: Mohs' Number 7H
Environment	Operating Temperature	0~50°C
	Storage Temperature	-20~60°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
Front Panel Protection		IP65

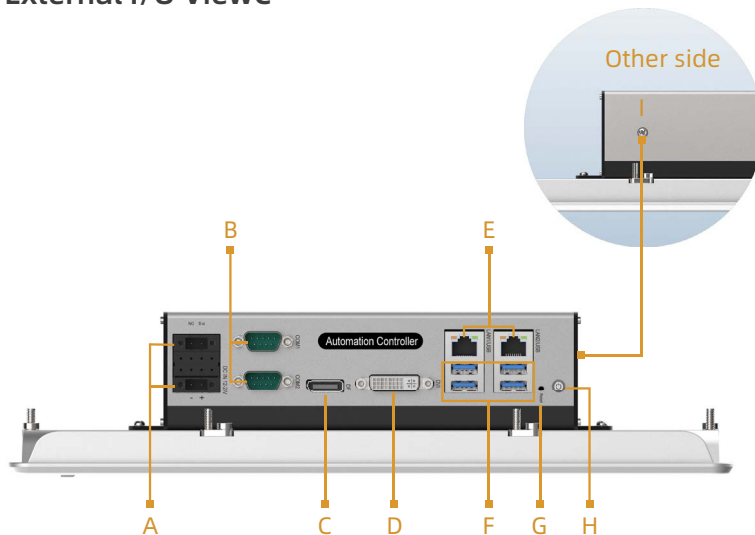
IPC22240D(P) & IPC24240D(P)

Technical Drawings unit: mm



Panel Cutout Dimensions: 567mm x 334mm (22.28 x 13.15 in)

External I/O ViewC

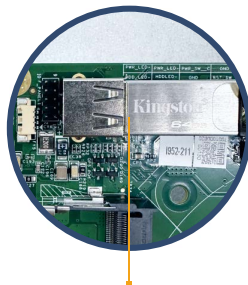


Interface definition:

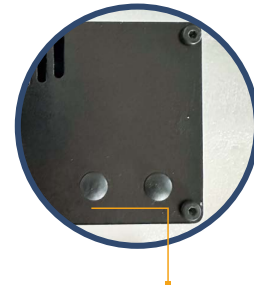
- | | |
|------------------|-----------------|
| A: DC 12~24V | F: 4 X USB3.0 |
| B: 2 x RS232/485 | G: Reset |
| C: DP | H: Power Switch |
| D: DVI | I : GND |
| E: 2 x RJ45 | |



miniPCIe Expansion slot



Built-in USB2.0 dongle



2 x Wireless circle antenna

Remark: All above shows the standard interface, and the other expansion modules are detailed in the PC6970 series datasheet

IPC22240D(P) & IPC24240D(P)

Ordering Information

Part Number	Description
IPC22240 (P) -4400K-4G-128G	24" TFT LCD / Resistive touch screen / No extension button / DC 12~24V Input / Resolution 1920x1080 / Intel®Pentium G4400 / 4G RAM / 128G mSATA/2xLAN / 4xUSB / 1xDVI
IPC24240 (P) -4400K-4G-128G	24" TFT LCD / Tempered glass screen / No extension button / DC12~24V Input / Resolution 1920x1080 / Intel®Pentium G4400 / 4G RAM / 128G mSATA/2xLAN / 4xUSB / 1xDVI

Optional Accessories

CPU	Intel®Pentium	G4400
	Intel®Core™ 6th	i3-6100, i5-6500, i7-6700
	Intel®Core™ 7th	i3-7100, i5-7500, i7-7700
	Intel®Core™ 8th	i3-8100, i5-8500, i7-8700
	Intel®Core™ 9th	i3-9100, i5-9500, i7-9700
DDR4	DDR4-2400MHz, 4GB, 8GB, 16GB, 32GB	
SSD	mSATA, 64GB, 128GB, 256GB, 512GB, 1TB	
WIFI set	miniPCle, WIFI sets, (7260HMWBN) Cylindrical antenna	
4G set/EC203G module	miniPCle	

Packing List

Terminal	2x3pin phoenix terminal
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Note: Package contents are subject to change without prior notice