

Powerful. Beautiful.

Excellence · Innovation

IPC50215

IPC51215

IPC52215



*front-screen button: the right side. widescreen button: the lower side

Shanghai Panelmate Electronics Co., Ltd.

21.5" FHD Industrial Arm-Mounted Operation Panel PC

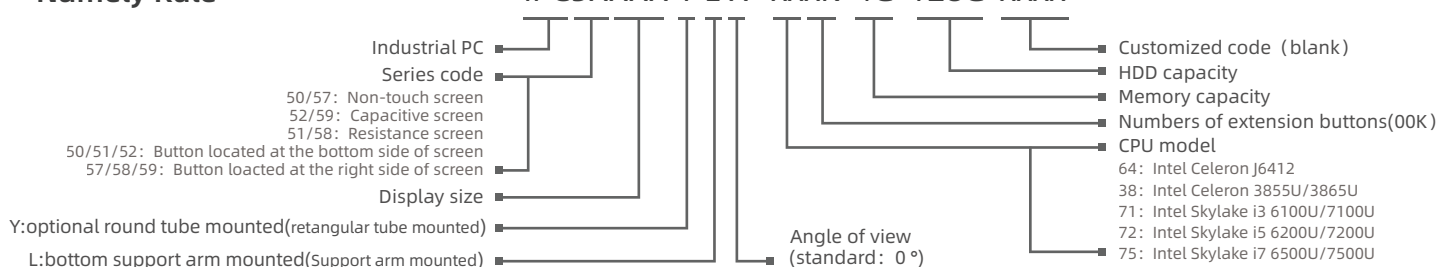


Features

- Display type: 15", 15.6", 18.5", 19", 21.5"
- Front panel/back cover: Aluminium-magnesium alloy
- IP protection level: IP65
- Screen Type: Single point resistive touchscreen, Multi-point capacitive touchscreen, Non-touch screen
- OS: WinXP, Win7, Win10/Win11, WinCE, Linux
- Equipped with 2xIntel i210AT Gigabit network cards, 4xUSB
- Processor: Intel Celeron J6412 (don't support Win XP, Win7) / 3855U / 3865U and Intel skylake i3/i5/i7 multiple CPU options
- DC 9~36V
- Extendable WIFI/4G

Namely Rule

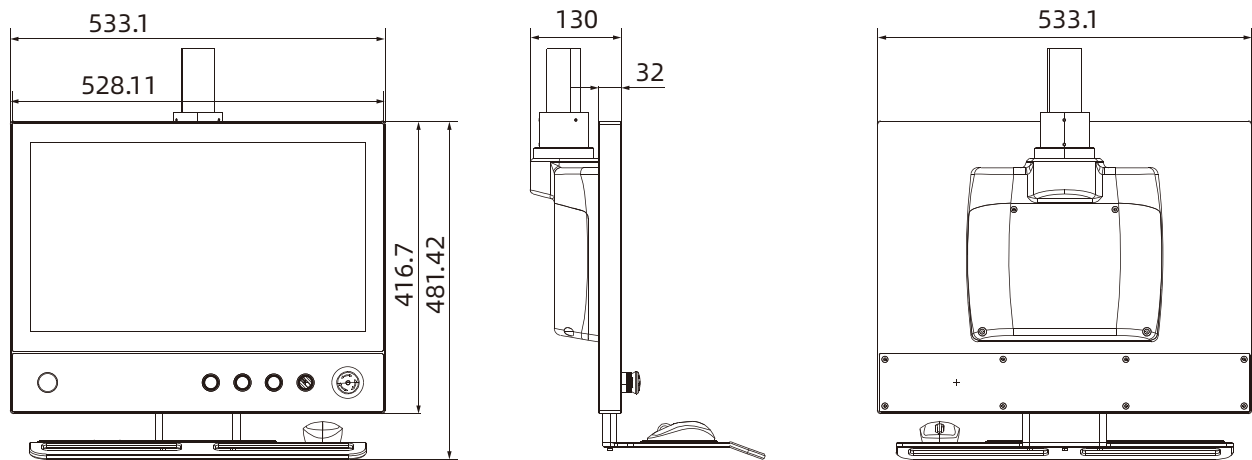
IPC5XXXX Y L X -xxxK-4G-128G-xxxx



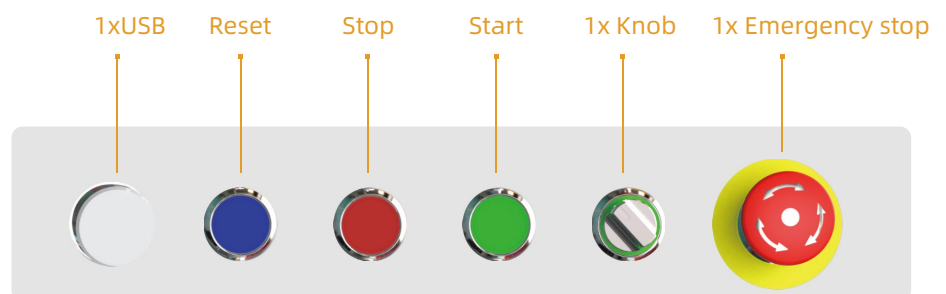
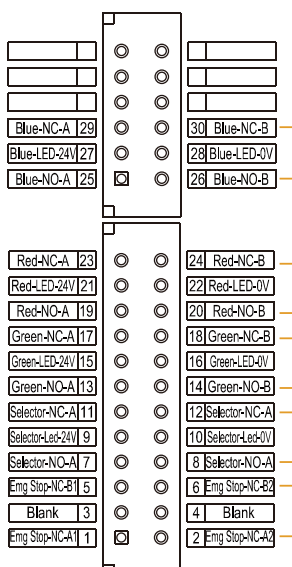
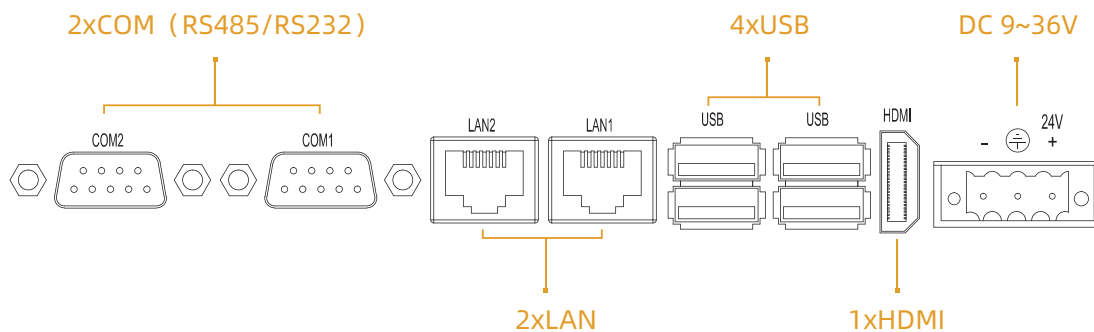
Specifications

Model	IPC50215&IPC51215&IPC52215					
Processor	CPU	Intel®Celeron® processor J6412	Intel®Celeron® processor 3855U/3865	Intel®Core™i3 processor	Intel®Core™i5 processor	Intel®Core™i7 processor
	Frequency	Quad Core 2.0GHZ	Dual Core 1.6GHZ	Dual Core 2.3GHZ	Dual Core 2.8GHZ	Dual Core 3.1GHZ
	Cache	1.5MB	2MB	3MB	3MB	4MB
	Memory	DDR4 3200MT/s Max: 32GB	DDR4-1866/2133 Max: 32GB	DDR4-2133 Max: 32GB	DDR4-2133 Max: 32GB	DDR4-2133 Max: 32GB
	Storage	1x2.5" SATA 3.0 +1 x mSATA				
I/O	Network (LAN)	2xIntel i210 1000Mbps RJ45 with surge protection				
	Audio	Realtek ALC662VD audio controller, support 5.1 channels				
	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				
Power	Rear I/O	1xHDMI/2xGLAN/4xUSB/2xCOM/AUDIO/DC IN/Power Switch				
	Input Voltage	DC 9~36V				
	Power	45W				
Physical	Display Port	HDMI				
	Dimension (WxHxD)	(Keyboard bay not included) 533.1mm x 416.7mm x 130mm (20.99" x 16.41" x 5.12")				
	Net Weight(kg)	(Keyboard bay not included) 14.05kg				
	Mounted	4460 or 48 arm-mounted				
	Display Type	21.5" FHD TFT				
LCD	Resolution	1920x1080				
	Colors	16.7M				
	Active Area (WxH/mm)	476.64mmx268.11mm (18.77"x10.56")				
	Backlight	LED				
	MTBF (hour)	30000hrs				
	Pixel Pitch (HxV)	0.24825x0.24825				
	Luminance(cd/m2)	250cd/m2				
	Contrast Ratio	3000:1				
	Viewing Angle	(L) 89/ (R) 89/ (U) 89/ (D) 89				
	Touch Type	Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen				
Touchscreen	Light Transmission	>85%				
	Controller	USB interface				
	Driver Support	Windows7, WSE7, Windows 10, Vxworks, Linux				
	Multi-touch	10 points (Windows)				
	Surface Hardness	Resistive touchscreen: Mohs' Number>= 3H; Capacitive touchscreen: Mohs' Number 7H				
Environment	Operating Temperature	0~50℃				
	Storage Temperature	-20~60℃				
	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				

Technical Drawings unit: mm



External I/O View



Note: The figure above shows the number of standard buttons
The number and brand of buttons can be customized

Ordering Information

Part Number	Description
IPC50215-6405K-4G-128G	21.5" TFT LCD / Non-touch screen / extend 5 buttons / DC9~36V input / Resolution 1920x1080/ J6412 / 4G RAM / 128G / mSATA / 2xLAN / 4xUSB / 1xHDMI
IPC51215-6405K-4G-128G	21.5" TFT LCD / Capacitive touch screen / extend 5 buttons / DC9~36V input / Resolution 1920x1080/ J6412 / 4G RAM / 128G / mSATA / 2xLAN / 4xUSB / 1xHDMI
IPC52215-6405K-4G-128G	21.5" TFT LCD / Resistive touch screen / extend 5 buttons / DC9~36V input / Resolution 1920x1080 / J6412 / 4G RAM / 128G / mSATA / 2xLAN / 4xUSB / 1xHDMI

Optional Accessories

mSATA	128G / 256G / 512G / 1T
2.5" HDD	512G / 1T / 2T
RAM	4G / 8G / 16G / 32G

Packing List

Terminal	3-pin terminal
Terminal	12-pin terminal
Terminal	24-pin terminal

Note: Package contents are subject to change without prior notice