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IPC50185

IPC51185

IPC52185



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

Shanghai Panelmate Electronics Co., Ltd.

18.5" WXGA Industrial Arm-Mounted Operation Panel PC

PANELMATE
Creative HMI Solution

IPC50185 & IPC51185 & IPC52185

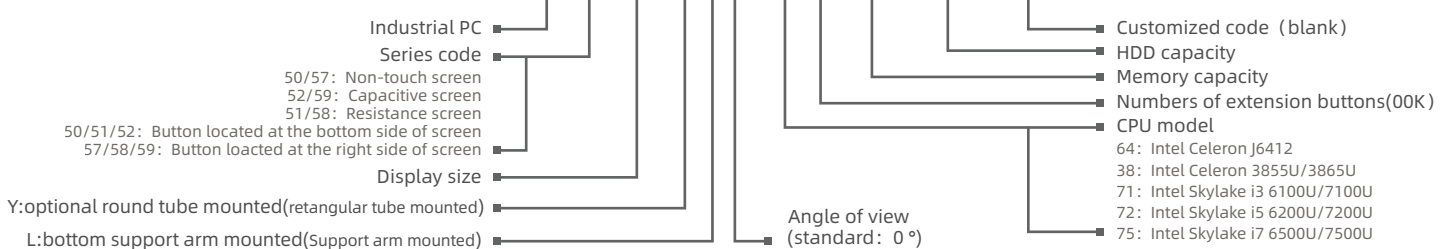


Features

- 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

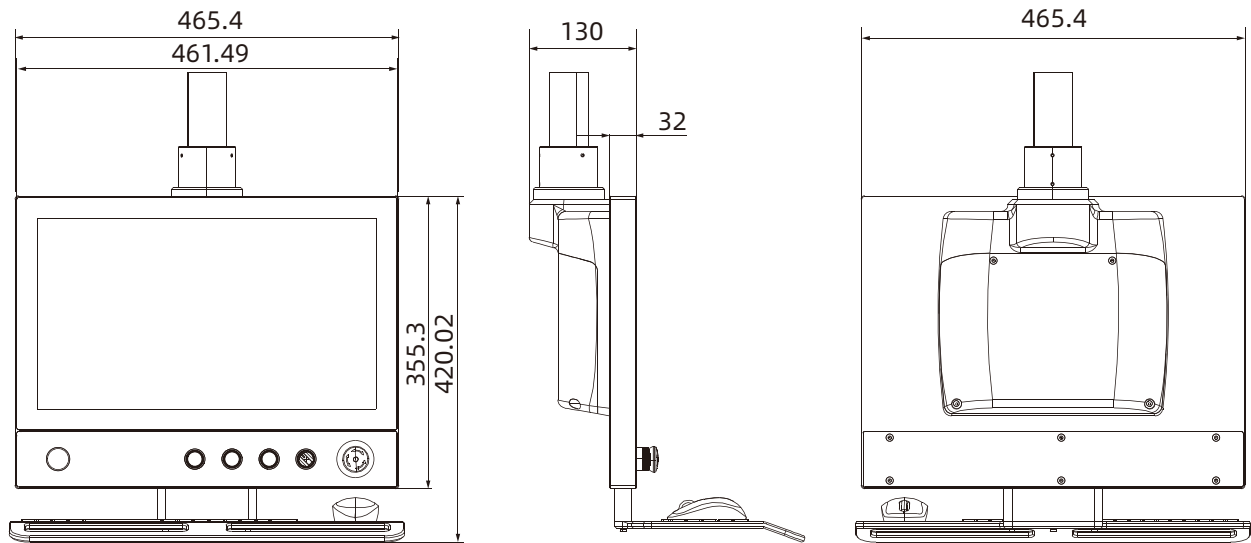
IPC5XXXX Y L X -xxxK-4G-128G-xxxx



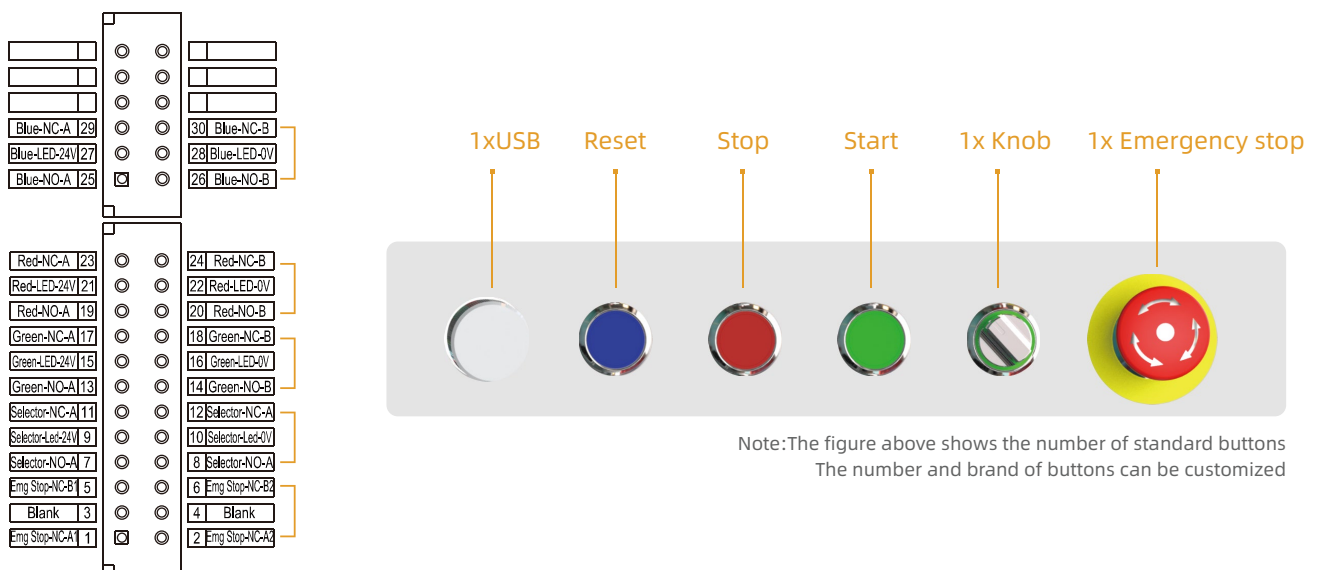
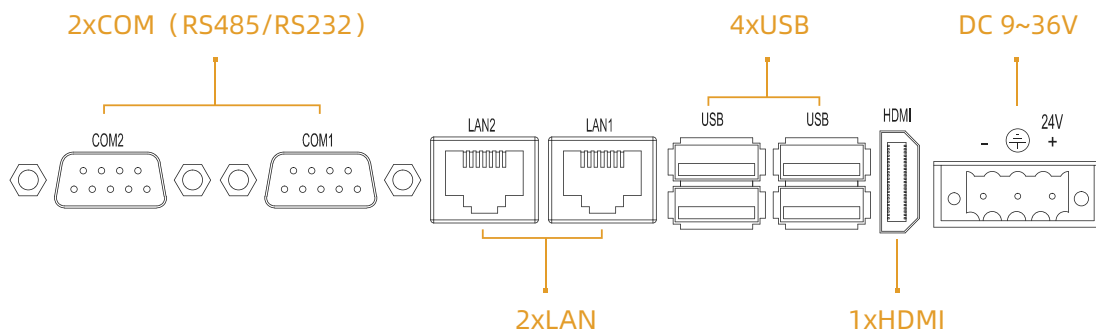
Specifications

| Model | IPC50185&IPC51185&IPC52185 | | | | | |
|-------------|----------------------------|---|-------------------------------------|-------------------------|-------------------------|-------------------------|
| 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 | 4xUSB3.0/2.0 | | | | |
| | COM | 2xRS232/RS485 with surge protection, RS485 support automatic flow control | | | | |
| | Expansion Slot | 1xMin-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 | | | | |
| Physical | Power | 41W | | | | |
| | Display Port | HDMI | | | | |
| | Dimension (WxHxD) | (Keyboard bay not included) 465.4mm x 355.3mm x 130mm (18.32" x 13.99" x 5.12") | | | | |
| | Net Weight(kg) | (Keyboard bay not included) 12.5kg | | | | |
| LCD | Mounted | 4460 or 48 arm-mounted | | | | |
| | Display Type | 18.5" WXGA TFT | | | | |
| | Resolution | 1366x768 | | | | |
| | Colors | 16.7M | | | | |
| | Active Area (WxH/mm) | 409.8mmx230.4mm (16.13"x9.07") | | | | |
| | Backlight | LED | | | | |
| | MTBF (hour) | 30000hrs | | | | |
| | Pixel Pitch (HxV) | 0.3x0.3 | | | | |
| | Luminance(cd/m2) | 500cd/m2 | | | | |
| | Contrast Ratio | 1000:1 | | | | |
| Touchscreen | Viewing Angle | (L) 89/ (R) 89/ (U) 89/ (D) 89 | | | | |
| | Touch Type | Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen | | | | |
| | Light Transmission | >85% | | | | |
| | Controller | USB interface | | | | |
| | Driver Support | Windows7, WES7, Windows 10, Vxworks, Linux | | | | |
| Environment | Multi-touch | 10 points | | | | |
| | Surface Hardness | Resistive touchscreen: Mohs' Number >= 3H; Capacitive touchscreen: Mohs' Number 7H | | | | |
| | Operating Temperature | 0~50°C | | | | |
| | Storage Temperature | -20~60°C | | | | |
| | Relative Humidity | 5~95% (Non condensation) | | | | |
| EMC | 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 |
|------------------------|---|
| IPC50185-6405K-4G-128G | 18.5" TFT LCD / Non-touch screen / extend 5 buttons / DC9~36V input / Resolution 1366x768 / J6412 / 4G RAM / 128G / mSATA / 2xLAN / 4xUSB / 1xHDMI |
| IPC51185-6405K-4G-128G | 18.5" TFT LCD / Capacitive touch screen / extend 5 buttons / DC9~36V input / Resolution 1366x768 / J6412 / 4G RAM / 128G / mSATA / 2xLAN / 4xUSB / 1xHDMI |
| IPC52185-6405K-4G-128G | 18.5" TFT LCD / Resistive touch screen / extend 5 buttons / DC9~36V input / Resolution 1366x768 / 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