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## Excellence · Innovation

IDD57150

IDD58150

IDD59150



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

## Shanghai Panelmate Electronics Co., Ltd.

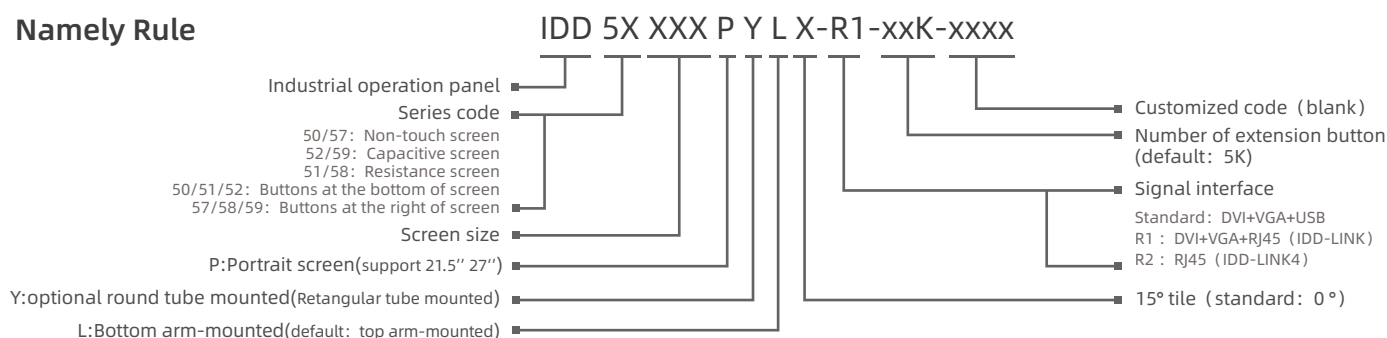
15" XGA Industrial Arm-Mounted Operation Panel



## Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- 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: Windows7, Window8, Windows10, Windows11, Linux, etc
- Interface: DVI, HDMI, VGA, 2xUSB
- Optional R1(IDD-LINK), Long distance USB signal output, support 50m
- Optional R2(IDD-LINK4), Video and USB are transmitted via a single CAT6 network cable, Transmission distance up to 100m
- DC 12~36V

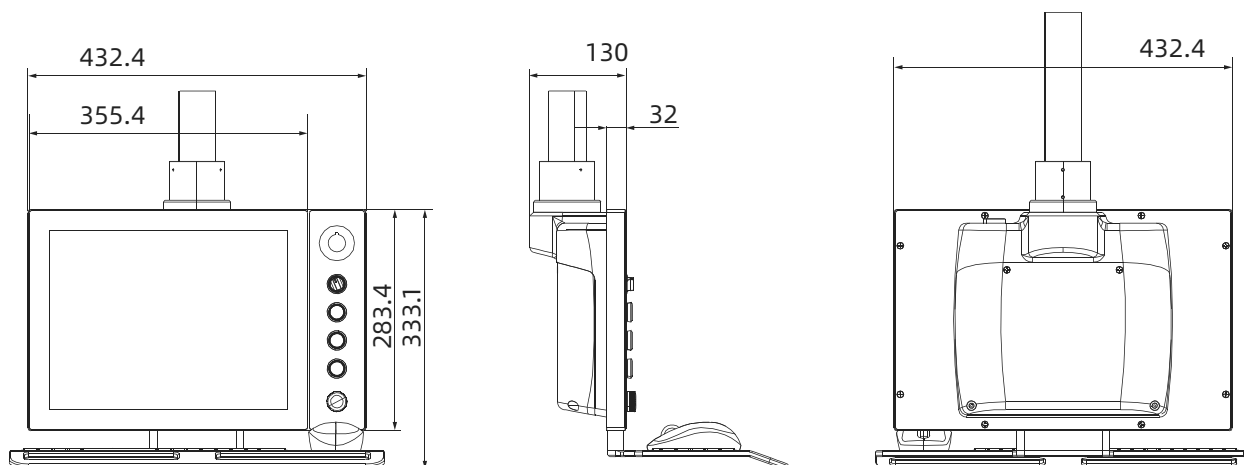
## Namely Rule



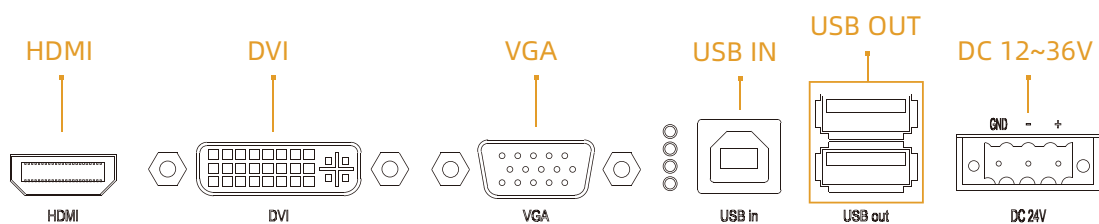
## Specifications

| Model       | IDD57150&IDD58150&IDD59150 |                                                                                                |
|-------------|----------------------------|------------------------------------------------------------------------------------------------|
| Routine     | Control button             | Set contrast ratio and luminance via OSD at the back cover                                     |
|             | Housing                    | Front panel & back cover: Aluminium-magnesium alloy, Grounding isolation protection            |
| Power       | Input Voltage              | DC 12~36V                                                                                      |
|             | Power                      | 11W                                                                                            |
| Physical    | Display Port               | HDMI                                                                                           |
|             | Dimension (WxHxD)          | (Keyboard bay not included) 432.4mm x 283.4mm x 130mm (17.02" x 11.16" x 5.12")                |
|             | Net Weight(kg)             | (Keyboard bay not included) 6.6kg                                                              |
|             | Mounted                    | 6085, 4460 or 48 arm-mounted                                                                   |
| LCD         | Display Type               | 15" XGA TFT                                                                                    |
|             | Resolution                 | 1024x768                                                                                       |
|             | Colors                     | 16.7M                                                                                          |
|             | Active Area (WxH/mm)       | 304.1mm x 228.1mm (11.97" x 8.98")                                                             |
|             | Backlight                  | LED                                                                                            |
|             | MTBF (hour)                | 50000hrs                                                                                       |
|             | Pixel Pitch (HxV)          | 0.297x0.297                                                                                    |
|             | Luminance(cd/m2)           | 420cd/m2                                                                                       |
|             | Contrast Ratio             | 800:1                                                                                          |
|             | Viewing Angle              | (L) 80/ (R) 80/ (U) 80/ (D) 80                                                                 |
| Touchscreen | Touch Type                 | Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen     |
|             | Light Transmission         | >85%                                                                                           |
|             | Controller                 | USB interface                                                                                  |
|             | Driver Support             | Windows7, Window8, Windows10, Windows11, Linux, etc                                            |
|             | Multi-touch                | 10 points                                                                                      |
|             | Surface Hardness           | Resistive touchscreen: Mohs' Number >= 3H; Capacitive touchscreen: Mohs' Number 7H             |
| Environment | Operating Temperature      | -10~65°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                                                                                 |
|             | Protection level           | IP65                                                                                           |

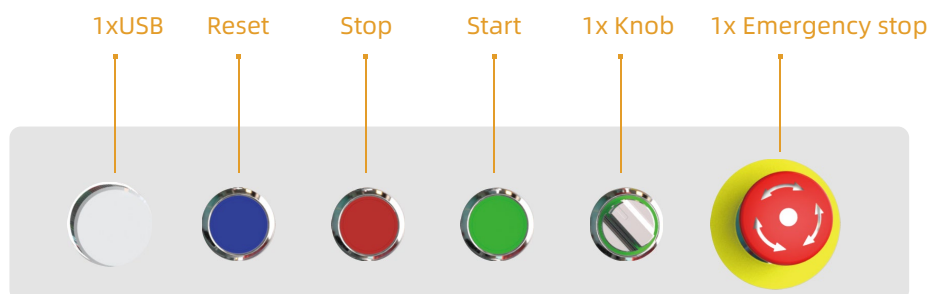
## Technical Drawings unit: mm



## External I/O View



|                    |                    |
|--------------------|--------------------|
| Blue-NC-A 29       | Blue-NC-B 30       |
| Blue-LED-24V 27    | Blue-LED-0V 28     |
| Blue-NO-A 25       | Blue-NO-B 26       |
| Red-NC-A 23        | Red-NC-B 24        |
| Red-LED-24V 21     | Red-LED-0V 22      |
| Red-NO-A 19        | Red-NO-B 20        |
| Green-NC-A 17      | Green-NC-B 18      |
| Green-LED-24V 15   | Green-LED-0V 16    |
| Green-NO-A 13      | Green-NO-B 14      |
| Selector-NC-A 11   | Selector-NC-A 12   |
| Selector-LED-24V 9 | Selector-LED-0V 10 |
| Selector-NO-A 7    | Selector-NO-A 8    |
| Emg Stop-NC-B 5    | Emg Stop-NC-B 6    |
| Blank 3            | Blank 4            |
| Emg Stop-NC-A 1    | Emg Stop-NC-A 2    |



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

## Ordering Information

| Part Number | Description                                                                  |
|-------------|------------------------------------------------------------------------------|
| IDD58150-5K | 15" TFT LCD / Resistive touch screen / DC12~36V Input / Resolution 1024x768  |
| IDD59150-5K | 15" TFT LCD / Capacitive touch screen / DC12~36V Input / Resolution 1024x768 |
| IDD57150-5K | 15" TFT LCD / Non-touch screen / DC12~36V Input / Resolution 1024x768        |

## Optional Accessories

|      |                        |
|------|------------------------|
| VGA  | VGA 3m / 5m            |
| DVI  | DVI 3m / 5m / 8m / 10m |
| USB  | USB 3m / 5m / 10m      |
| HDMI | HDMI 3m / 5m / 10m     |

## Packing List

|          |                            |
|----------|----------------------------|
| Terminal | 3 pin spring card terminal |
|----------|----------------------------|

Note: Package contents are subject to change without prior notice

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IDD50156

IDD51156

IDD52156



\*front-screen button: the right side, widescreen button: the lower side

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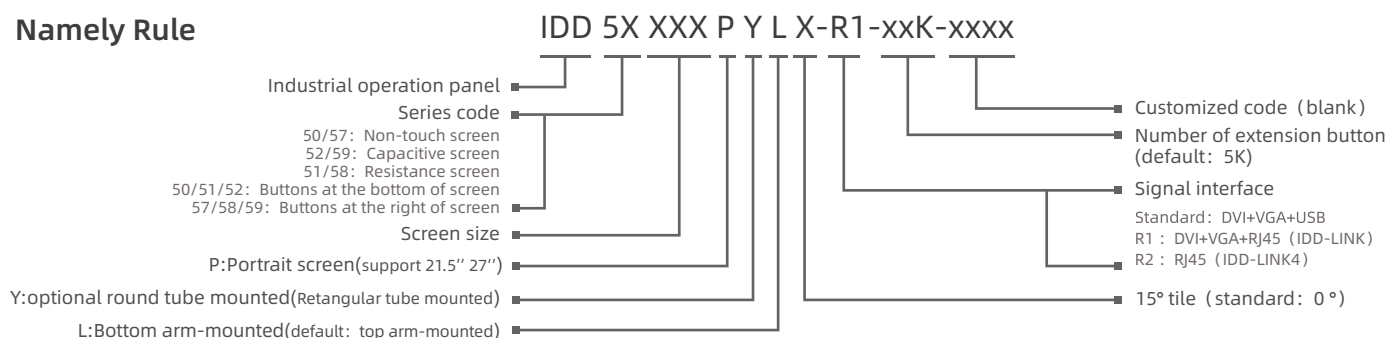
15.6" WXGA Industrial Arm-Mounted Operation Panel



## Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- 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: Windows7, Window8, Windows10, Windows11, Linux, etc
- Interface: DVI, HDMI, VGA, 2xUSB
- Optional R1(IDD-LINK), Long distance USB signal output, support 50m
- Optional R2(IDD-LINK4), Video and USB are transmitted via a single CAT6 network cable, Transmission distance up to 100m
- DC 12~36V

## Namely Rule

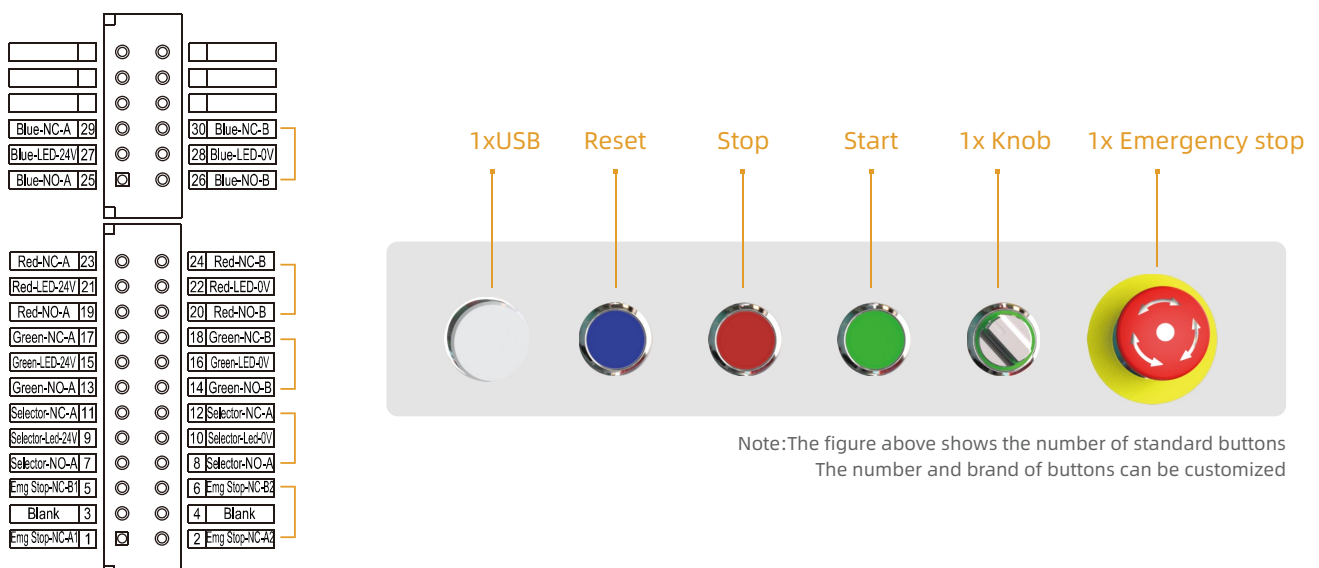


## Specifications

| Model       |                       | IDD50156&IDD51156&IDD52156                                                                     |
|-------------|-----------------------|------------------------------------------------------------------------------------------------|
| Routine     | Control button        | Set contrast ratio and luminance via OSD at the back cover                                     |
|             | Housing               | Front panel & back cover: Aluminium-magnesium alloy, Grounding isolation protection            |
| Power       | Input Voltage         | DC 12~36V                                                                                      |
|             | Power                 | 18W                                                                                            |
| Physical    | Display Port          | HDMI                                                                                           |
|             | Dimension (WxHxD)     | (Keyboard bay not included) 405.6mm x 330.7mm x 130mm (15.97" x 13.02" x 5.12")                |
|             | Net Weight(kg)        | (Keyboard bay not included) 6.75kg                                                             |
|             | Mounted               | 6085, 4460 or 48 arm-mounted                                                                   |
| LCD         | Display Type          | 15.6" WXGA TFT                                                                                 |
|             | Resolution            | 1366x768                                                                                       |
|             | Colors                | 16.7M                                                                                          |
|             | Active Area (WxH/mm)  | 344.23mmx193.54mm (13.55"x7.62")                                                               |
|             | Backlight             | LED                                                                                            |
|             | MTBF (hour)           | 50000hrs                                                                                       |
|             | Pixel Pitch (HxV)     | 0.252x0.252                                                                                    |
|             | Luminance(cd/m2)      | 300cd/m2                                                                                       |
|             | Contrast Ratio        | 3000:1                                                                                         |
|             | Viewing Angle         | (L) 85/ (R) 85/ (U) 85/ (D) 85                                                                 |
| Touchscreen | Touch Type            | Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen     |
|             | Light Transmission    | >85%                                                                                           |
|             | Controller            | USB interface                                                                                  |
|             | Driver Support        | Windows7, Window8, Windows10, Windows11, Linux, etc                                            |
|             | Multi-touch           | 10 points                                                                                      |
|             | Surface Hardness      | Resistive touchscreen: Mohs' Number >= 3H; Capacitive touchscreen: Mohs' Number 7H             |
| Environment | Operating Temperature | 0~60°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                                                                                 |
|             | Protection level      | IP65                                                                                           |

Technical drawings of the 15.5 inch monitor showing front, side, and rear views with dimensions:

- Front View:** Shows the monitor's width as 400.61 and its height as 330.7. The total height including the stand is 395.42.
- Side View:** Shows the monitor's depth as 130 and the distance from the back of the monitor to the top of the stand as 26.5.
- Rear View:** Shows the monitor's width as 405.6.



## Ordering Information

| Part Number | Description                                                                    |
|-------------|--------------------------------------------------------------------------------|
| IDD51156-5K | 15.6" TFT LCD / Resistive touch screen / DC12~36V Input / Resolution 1366x768  |
| IDD52156-5K | 15.6" TFT LCD / Capacitive touch screen / DC12~36V Input / Resolution 1366x768 |
| IDD50156-5K | 15.6" TFT LCD / Non-touch screen / DC12~36V Input / Resolution 1366x768        |

## Optional Accessories

|      |                        |
|------|------------------------|
| VGA  | VGA 3m / 5m            |
| DVI  | DVI 3m / 5m / 8m / 10m |
| USB  | USB 3m / 5m / 10m      |
| HDMI | HDMI 3m / 5m / 10m     |

## Packing List

|          |                            |
|----------|----------------------------|
| Terminal | 3 pin spring card terminal |
|----------|----------------------------|

Note: Package contents are subject to change without prior notice

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IDD50185

IDD51185

IDD52185



\*front-screen button: the right side, widescreen button: the lower side

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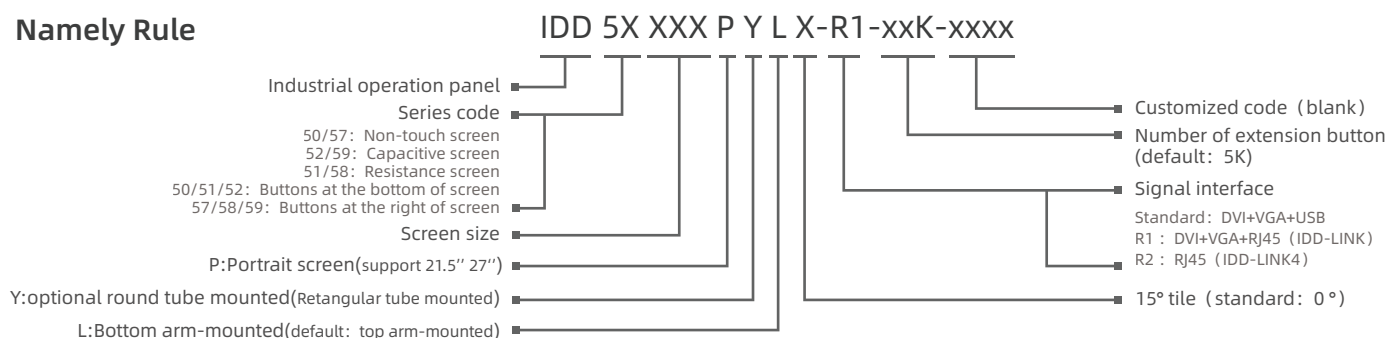
18.5" WXGA Industrial Arm-Mounted Operation Panel



## Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- 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: Windows7, Window8, Windows10, Windows11, Linux, etc
- Interface: DVI, HDMI, VGA, 2xUSB
- Optional R1(IDD-LINK), Long distance USB signal output, support 50m
- Optional R2(IDD-LINK4), Video and USB are transmitted via a single CAT6 network cable, Transmission distance up to 100m
- DC 12~36V

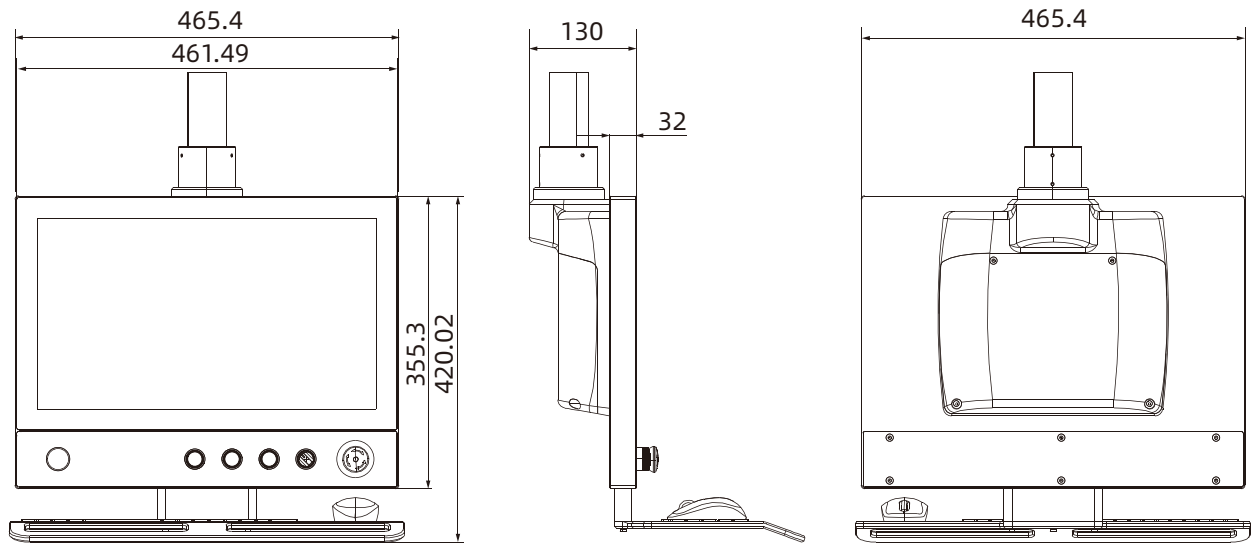
## Namely Rule



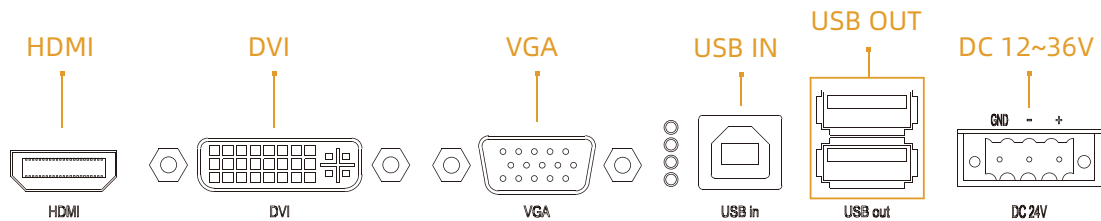
## Specifications

| Model       | IDD50185&IDD51185&IDD52185 |                                                                                                |
|-------------|----------------------------|------------------------------------------------------------------------------------------------|
| Routine     | Control button             | Set contrast ratio and luminance via OSD at the back cover                                     |
|             | Housing                    | Front panel & back cover: Aluminium-magnesium alloy, Grounding isolation protection            |
| Power       | Input Voltage              | DC 12~36V                                                                                      |
|             | Power                      | 16W                                                                                            |
| Physical    | 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) 9.15kg                                                             |
|             | Mounted                    | 6085、4460 or 48 arm-mounted                                                                    |
| LCD         | 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                                                                                         |
|             | Viewing Angle              | (L) 89/ (R) 89/ (U) 89/ (D) 89                                                                 |
| Touchscreen | Touch Type                 | Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen     |
|             | Light Transmission         | >85%                                                                                           |
|             | Controller                 | USB interface                                                                                  |
|             | Driver Support             | Windows7, Window8, Windows10, Windows11, Linux, etc                                            |
|             | Multi-touch                | 10 points                                                                                      |
|             | Surface Hardness           | Resistive touchscreen: Mohs' Number >= 3H; 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                                                                                 |
|             | Protection level           | IP65                                                                                           |

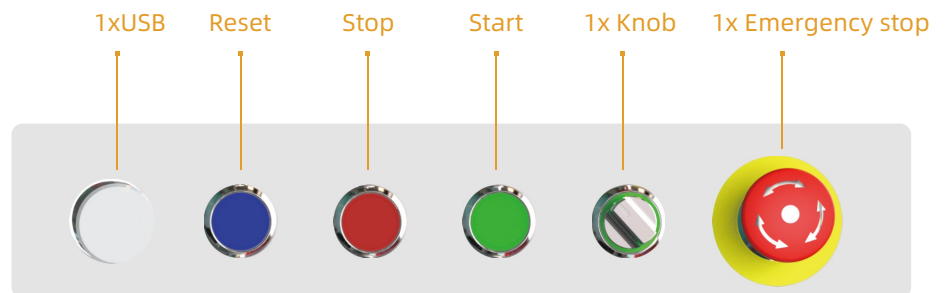
## Technical Drawings unit: mm



## External I/O View



|                  |    |                 |    |
|------------------|----|-----------------|----|
| Blue-NC-A        | 29 | Blue-NC-B       | 30 |
| Blue-LED-24V     | 27 | Blue-LED-0V     | 28 |
| Blue-NO-A        | 25 | Blue-NO-B       | 26 |
| Red-NC-A         | 23 | Red-NC-B        | 24 |
| Red-LED-24V      | 21 | Red-LED-0V      | 22 |
| Red-NO-A         | 19 | Red-NO-B        | 20 |
| Green-NC-A       | 17 | Green-NC-B      | 18 |
| Green-LED-24V    | 15 | Green-LED-0V    | 16 |
| Green-NO-A       | 13 | Green-NO-B      | 14 |
| Selector-NC-A    | 11 | Selector-NC-B   | 12 |
| Selector-LED-24V | 9  | Selector-LED-0V | 10 |
| Selector-NO-A    | 7  | Selector-NO-B   | 8  |
| Emg Stop-NC-B    | 5  | Emg Stop-NC-B   | 6  |
| Blank            | 3  | Blank           | 4  |
| Emg Stop-NC-A    | 1  | Emg Stop-NC-A   | 2  |



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

## Ordering Information

| Part Number | Description                                                                    |
|-------------|--------------------------------------------------------------------------------|
| IDD51185-5K | 18.5" TFT LCD / Resistive touch screen / DC12~36V Input / Resolution 1366x768  |
| IDD52185-5K | 18.5" TFT LCD / Capacitive touch screen / DC12~36V Input / Resolution 1366x768 |
| IDD50185-5K | 18.5" TFT LCD / Non-touch screen / DC12~36V Input / Resolution 1366x768        |

## Optional Accessories

|      |                        |
|------|------------------------|
| VGA  | VGA 3m / 5m            |
| DVI  | DVI 3m / 5m / 8m / 10m |
| USB  | USB 3m / 5m / 10m      |
| HDMI | HDMI 3m / 5m / 10m     |

## Packing List

|          |                            |
|----------|----------------------------|
| Terminal | 3 pin spring card terminal |
|----------|----------------------------|

Note: Package contents are subject to change without prior notice

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IDD57190

IDD58190

IDD59190



\*front-screen button: the right side, widescreen button: the lower side

## Shanghai Panelmate Electronics Co., Ltd.

19" SXGA Industrial Arm-Mounted Operation Panel

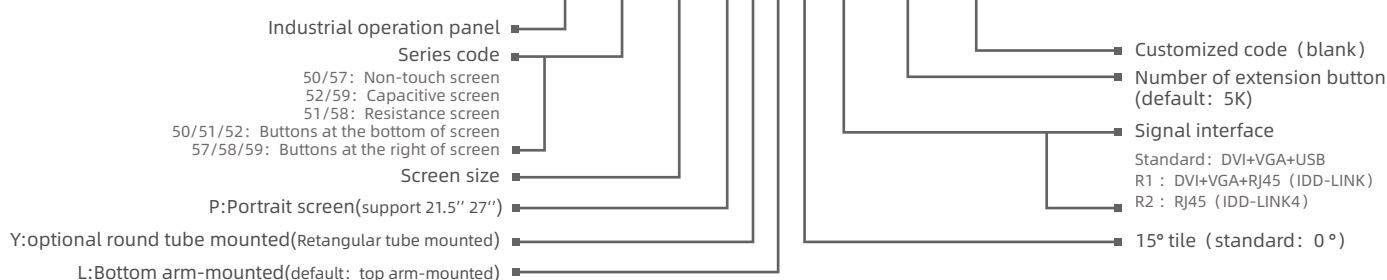


## Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- 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: Windows7, Window8, Windows10, Windows11, Linux, etc
- Interface: DVI, HDMI, VGA, 2xUSB
- Optional R1(IDD-LINK), Long distance USB signal output, support 50m
- Optional R2(IDD-LINK4), Video and USB are transmitted via a single CAT6 network cable, Transmission distance up to 100m
- DC 12~36V

## Namely Rule

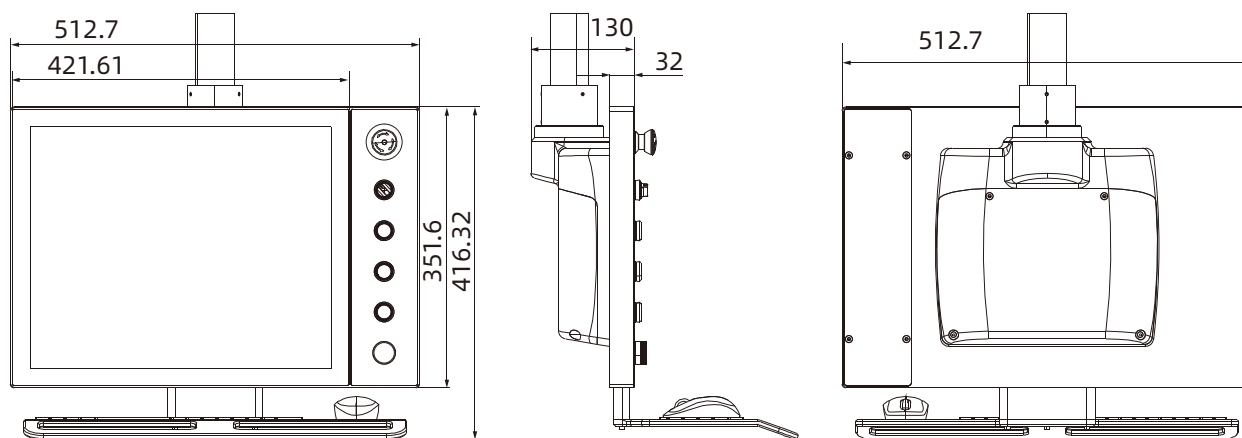
IDD 5X XXX P Y L X-R1-xxK-xxxx



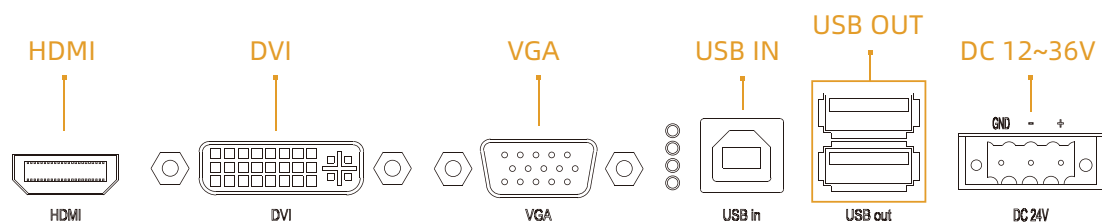
## Specifications

| Model       |                       | IDD57190&IDD58190&IDD59190                                                                     |
|-------------|-----------------------|------------------------------------------------------------------------------------------------|
| Routine     | Control button        | Set contrast ratio and luminance via OSD at the back cover                                     |
|             | Housing               | Front panel & back cover: Aluminium-magnesium alloy, Grounding isolation protection            |
| Power       | Input Voltage         | DC 12~36V                                                                                      |
|             | Power                 | 14 W                                                                                           |
| Physical    | Display Port          | HDMI                                                                                           |
|             | Dimension (WxHxD)     | (Keyboard bay not included) 512.7mm x 351.6mm x 130mm (20.19" x 13.84" x 5.12")                |
|             | Net Weight(kg)        | (Keyboard bay not included) 9.95kg                                                             |
|             | Mounted               | 6085、4460 or 48 arm-mounted                                                                    |
| LCD         | Display Type          | 19" SXGA TFT                                                                                   |
|             | Resolution            | 1280x1024                                                                                      |
|             | Colors                | 16.7M                                                                                          |
|             | Active Area (WxH/mm)  | 376.32mmx301.06mm (14.82"x11.85")                                                              |
|             | Backlight             | LED                                                                                            |
|             | MTBF (hour)           | 30000hrs                                                                                       |
|             | Pixel Pitch (HxV)     | 0.294x0.294                                                                                    |
|             | Luminance(cd/m2)      | 250cd/m2                                                                                       |
|             | Contrast Ratio        | 1000:1                                                                                         |
|             | Viewing Angle         | (L) 85/ (R) 85/ (U) 80/ (D) 80                                                                 |
| Touchscreen | Touch Type            | Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen     |
|             | Light Transmission    | >85%                                                                                           |
|             | Controller            | USB interface                                                                                  |
|             | Driver Support        | Windows7, Window8, Windows10, Windows11, Linux, etc                                            |
|             | Multi-touch           | 10 points                                                                                      |
|             | Surface Hardness      | Resistive touchscreen: Mohs' Number>= 3H; 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                                                                                 |
|             | Protection level      | IP65                                                                                           |

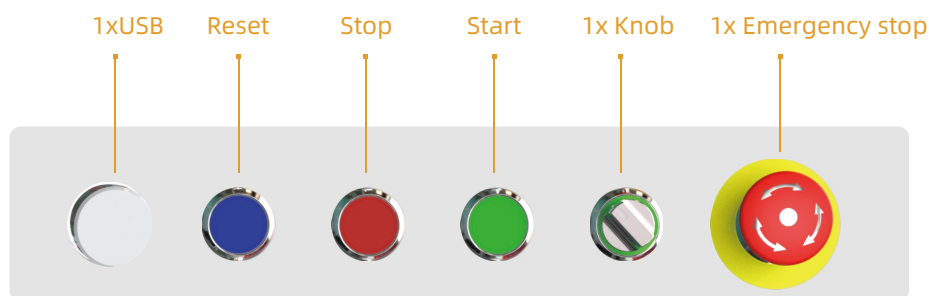
## Technical Drawings unit: mm



## External I/O View



|                  |    |                 |    |
|------------------|----|-----------------|----|
| Blue-NC-A        | 29 | Blue-NC-B       | 30 |
| Blue-LED-24V     | 27 | Blue-LED-0V     | 28 |
| Blue-NO-A        | 25 | Blue-NO-B       | 26 |
| Red-NC-A         | 23 | Red-NC-B        | 24 |
| Red-LED-24V      | 21 | Red-LED-0V      | 22 |
| Red-NO-A         | 19 | Red-NO-B        | 20 |
| Green-NC-A       | 17 | Green-NC-B      | 18 |
| Green-LED-24V    | 15 | Green-LED-0V    | 16 |
| Green-NO-A       | 13 | Green-NO-B      | 14 |
| Selector-NC-A    | 11 | Selector-NC-B   | 12 |
| Selector-LED-24V | 9  | Selector-LED-0V | 10 |
| Selector-NO-A    | 7  | Selector-NO-B   | 8  |
| Emg Stop-NC-B    | 5  | Emg Stop-NC-B   | 6  |
| Blank            | 3  | Blank           | 4  |
| Emg Stop-NC-A    | 1  | Emg Stop-NC-A   | 2  |



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

## Ordering Information

| Part Number | Description                                                                   |
|-------------|-------------------------------------------------------------------------------|
| IDD58190-5K | 19" TFT LCD / Resistive touch screen / DC12~36V Input / Resolution 1280x1024  |
| IDD59190-5K | 19" TFT LCD / Capacitive touch screen / DC12~36V Input / Resolution 1280x1024 |
| IDD57190-5K | 19" TFT LCD / Non-touch screen / DC12~36V Input / Resolution 1280x1024        |

## Optional Accessories

|      |                        |
|------|------------------------|
| VGA  | VGA 3m / 5m            |
| DVI  | DVI 3m / 5m / 8m / 10m |
| USB  | USB 3m / 5m / 10m      |
| HDMI | HDMI 3m / 5m / 10m     |

## Packing List

|          |                            |
|----------|----------------------------|
| Terminal | 3 pin spring card terminal |
|----------|----------------------------|

Note: Package contents are subject to change without prior notice

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IDD50215

IDD51215

IDD52215



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

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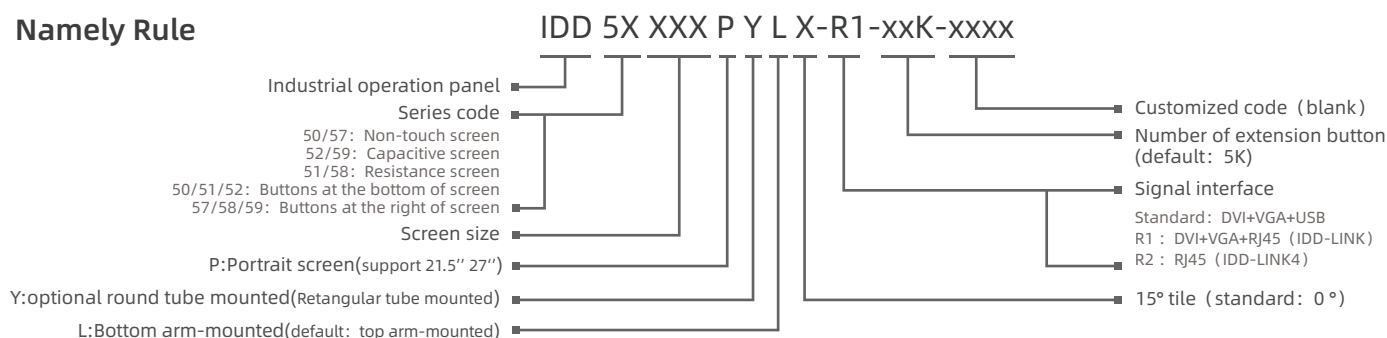
21.5" FHD Industrial Arm-Mounted Operation Panel



## Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- 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: Windows7, Window8, Windows10, Windows11, Linux, etc
- Interface: DVI, HDMI, VGA, 2xUSB
- Optional R1(IDD-LINK), Long distance USB signal output, support 50m
- Optional R2(IDD-LINK4), Video and USB are transmitted via a single CAT6 network cable, Transmission distance up to 100m
- DC 12~36V

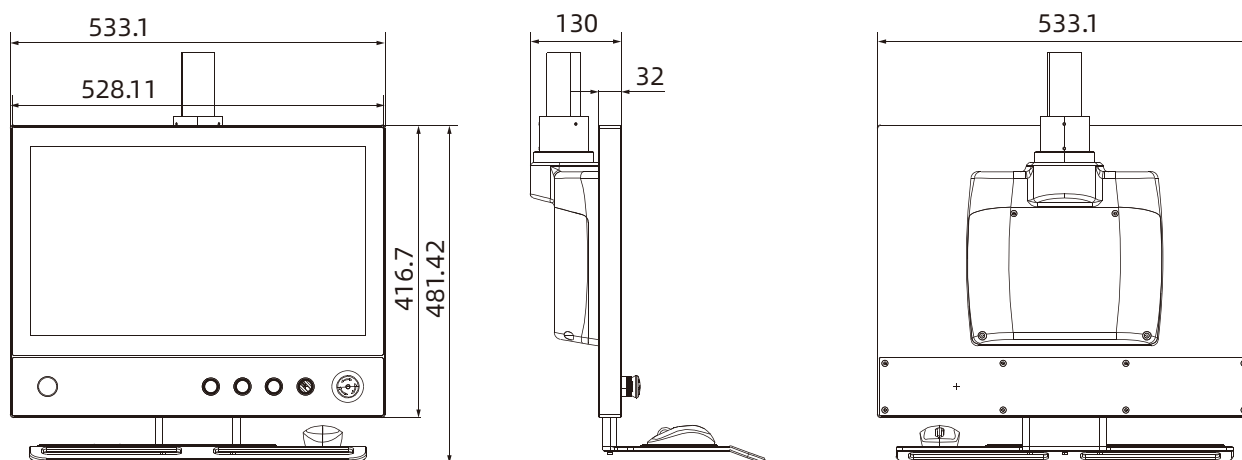
## Namely Rule



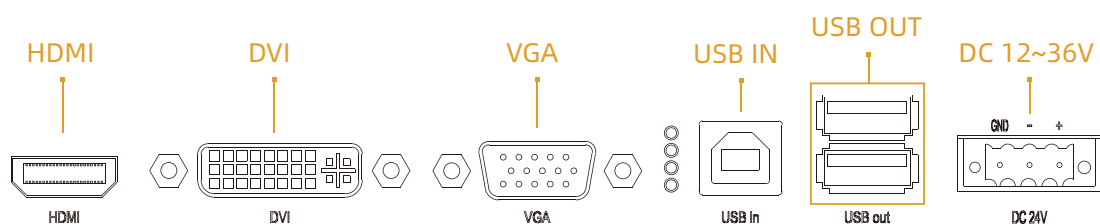
## Specifications

| Model       |                       | IDD50215&IDD51215&IDD52215                                                                     |
|-------------|-----------------------|------------------------------------------------------------------------------------------------|
| Routine     | Control button        | Set contrast ratio and luminance via OSD at the back cover                                     |
|             | Housing               | Front panel & back cover: Aluminium-magnesium alloy, Grounding isolation protection            |
| Power       | Input Voltage         | DC 12~36V                                                                                      |
|             | Power                 | 20W                                                                                            |
| 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) 10.7kg                                                             |
|             | Mounted               | 6085、4460 or 48 arm-mounted                                                                    |
| LCD         | Display Type          | 21.5" FHD TFT                                                                                  |
|             | 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                                                                 |
| Touchscreen | Touch Type            | Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen     |
|             | Light Transmission    | >85%                                                                                           |
|             | Controller            | USB interface                                                                                  |
|             | Driver Support        | Windows7, Window8, Windows10, Windows11, Linux, etc                                            |
|             | Multi-touch           | 10 points                                                                                      |
|             | Surface Hardness      | Resistive touchscreen: Mohs' Number>= 3H; 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                                                                                 |
|             | Protection level      | IP65                                                                                           |

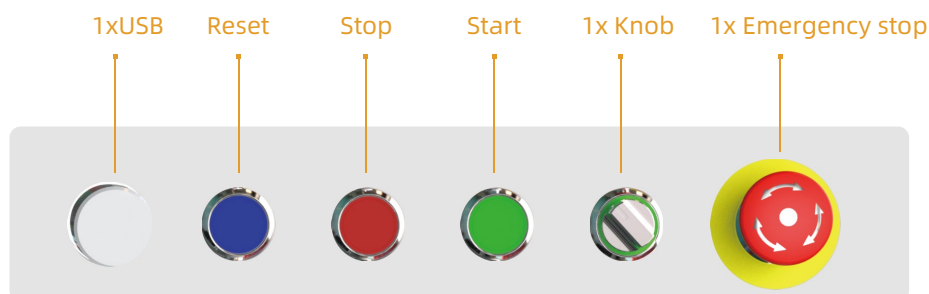
## Technical Drawings unit: mm



## External I/O View



|                  |    |                 |    |
|------------------|----|-----------------|----|
| Blue-NC-A        | 29 | Blue-NC-B       | 30 |
| Blue-LED-24V     | 27 | Blue-LED-0V     | 28 |
| Blue-NO-A        | 25 | Blue-NO-B       | 26 |
| Red-NC-A         | 23 | Red-NC-B        | 24 |
| Red-LED-24V      | 21 | Red-LED-0V      | 22 |
| Red-NO-A         | 19 | Red-NO-B        | 20 |
| Green-NC-A       | 17 | Green-NC-B      | 18 |
| Green-LED-24V    | 15 | Green-LED-0V    | 16 |
| Green-NO-A       | 13 | Green-NO-B      | 14 |
| Selector-NC-A    | 11 | Selector-NC-B   | 12 |
| Selector-LED-24V | 9  | Selector-LED-0V | 10 |
| Selector-NO-A    | 7  | Selector-NO-B   | 8  |
| Emg Stop-NC-B    | 5  | Emg Stop-NC-B   | 6  |
| Blank            | 3  | Blank           | 4  |
| Emg Stop-NC-A    | 1  | Emg Stop-NC-A   | 2  |



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

## Ordering Information

| Part Number | Description                                                                    |
|-------------|--------------------------------------------------------------------------------|
| IDD51215-5K | 21.5" TFT LCD / Resistive touch screen / DC12~36V Input / Resolution 1920x1080 |
| IDD52215-5K | 21.5" TFT LCD / Capacitive touch screen / DC2~36V Input / Resolution 1920x1080 |
| IDD50215-5K | 21.5" TFT LCD / Non-touch screen / DC12~36V Input / Resolution 1920x1080       |

## Optional Accessories

|      |                        |
|------|------------------------|
| VGA  | VGA 3m / 5m            |
| DVI  | DVI 3m / 5m / 8m / 10m |
| USB  | USB 3m / 5m / 10m      |
| HDMI | HDMI 3m / 5m / 10m     |

## Packing List

|          |                            |
|----------|----------------------------|
| Terminal | 3 pin spring card terminal |
|----------|----------------------------|

Note: Package contents are subject to change without prior notice

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IDD50215P

IDD51215P

IDD52215P



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

## **Shanghai Panelmate Electronics Co., Ltd.**

21.5" FHD Industrial Arm-Mounted Operation Panel  
(Portrait Screen)

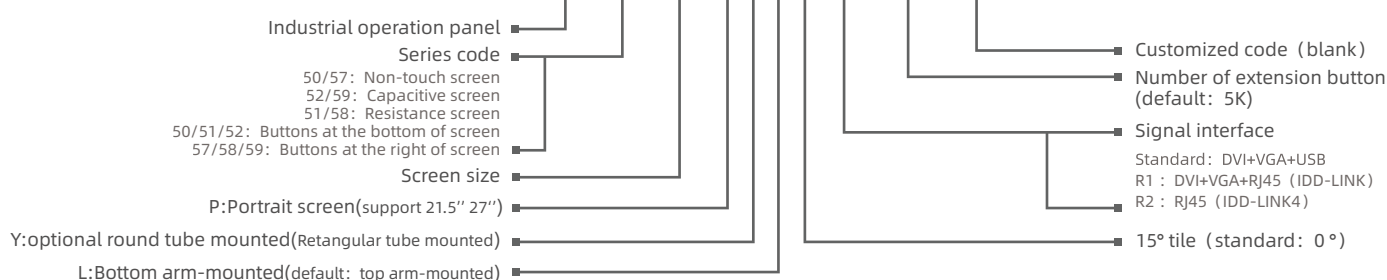


## Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- 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: Windows7, Window8, Windows10, Windows11, Linux, etc
- Interface: DVI, HDMI, VGA, 2xUSB
- Optional R1(IDD-LINK), Long distance USB signal output, support 50m
- Optional R2(IDD-LINK4), Video and USB are transmitted via a single CAT6 network cable, Transmission distance up to 100m
- DC 12~36V

## Namely Rule

IDD 5X XXX P Y L X-R1-xxK-xxxx

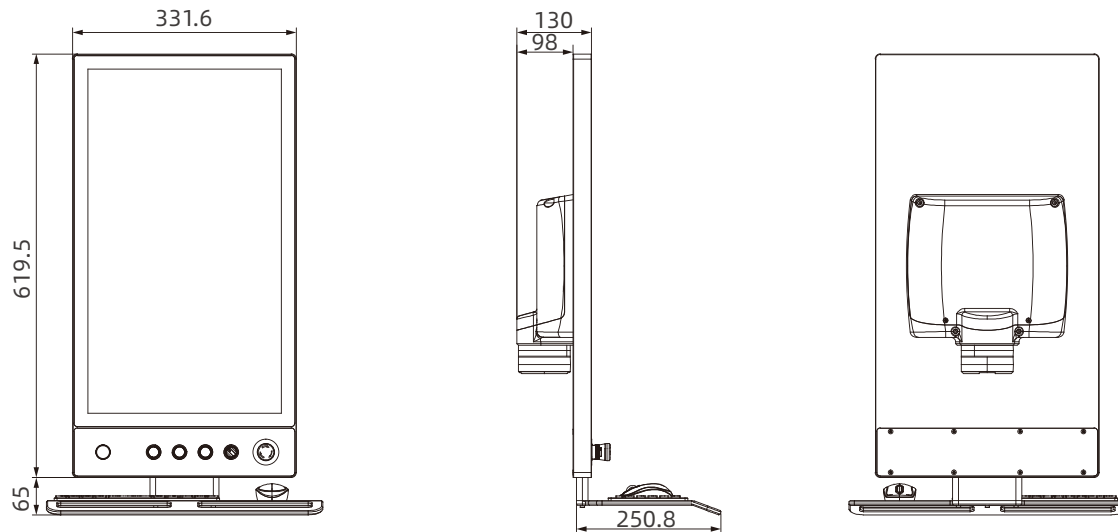


## Specifications

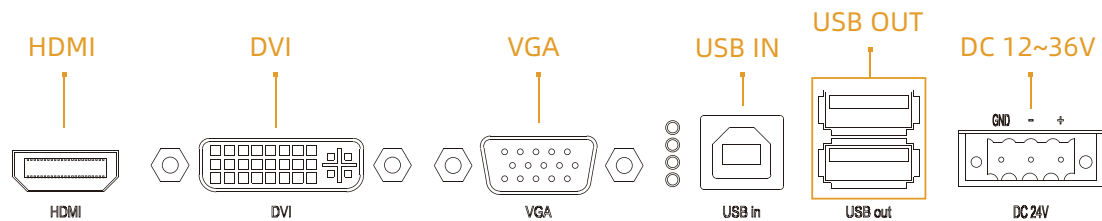
| Model       |                       | IDD50215P&IDD51215P&IDD52215P                                                                 |
|-------------|-----------------------|-----------------------------------------------------------------------------------------------|
| Routine     | Control button        | Set contrast ratio and luminance via OSD at the back cover                                    |
|             | Housing               | Front panel & back cover:Aluminium-magnesium alloy,Grounding isolation protection             |
| Power       | Input Voltage         | DC 12~36V                                                                                     |
|             | Power                 | 20W                                                                                           |
| Physical    | Display Port          | HDMI                                                                                          |
|             | Dimension (WxHxD)     | (Keyboard bay not included) 331.6mm x 619.5mm x 130mm (13.06" x 24.39" x 5.12")               |
|             | Net Weight(kg)        | (Keyboard bay not included) 10.7kg                                                            |
|             | Mounted               | 6085、4460 or 48 arm-mounted                                                                   |
| LCD         | Display Type          | 21.5" FHD TFT                                                                                 |
|             | Resolution            | 1080 x 1920                                                                                   |
|             | Colors                | 16.7M                                                                                         |
|             | Active Area (WxH/mm)  | 268.11mm x 476.64mm (10.56" x 18.77")                                                         |
|             | 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                                                                |
| Touchscreen | Touch Type            | Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen    |
|             | Light Transmission    | >85%                                                                                          |
|             | Controller            | USB interface                                                                                 |
|             | Driver Support        | Windows7, Window8, Windows10, Windows11, Linux, etc                                           |
|             | Multi-touch           | 10 points                                                                                     |
|             | 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                                                                                |
|             | Protection level      | IP65                                                                                          |

# IDD50215P & IDD51215P & IDD52215P

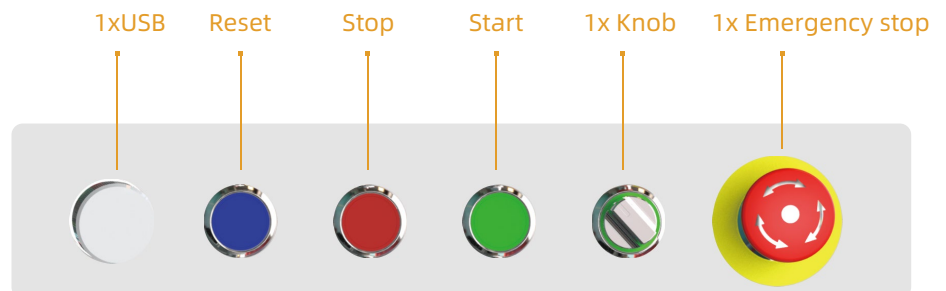
## Technical Drawings unit: mm



## External I/O View



|                  |    |    |                 |
|------------------|----|----|-----------------|
| Blue-NC-A        | 29 | 30 | Blue-NC-B       |
| Blue-LED-24V     | 27 | 28 | Blue-LED-0V     |
| Blue-NO-A        | 25 | 26 | Blue-NO-B       |
| Red-NC-A         | 23 | 24 | Red-NC-B        |
| Red-LED-24V      | 21 | 22 | Red-LED-0V      |
| Red-NO-A         | 19 | 20 | Red-NO-B        |
| Green-NC-A       | 17 | 18 | Green-NC-B      |
| Green-LED-24V    | 15 | 16 | Green-LED-0V    |
| Green-NO-A       | 13 | 14 | Green-NO-B      |
| Selector-NC-A    | 11 | 12 | Selector-NC-A   |
| Selector-LED-24V | 9  | 10 | Selector-LED-0V |
| Selector-NO-A    | 7  | 8  | Selector-NO-A   |
| Emg Stop-NC-B    | 5  | 6  | Emg Stop-NC-B   |
| Blank            | 3  | 4  | Blank           |
| Emg Stop-NC-A    | 1  | 2  | Emg Stop-NC-A   |



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

## Ordering Information

| Part Number  | Description                                                                     |
|--------------|---------------------------------------------------------------------------------|
| IDD51215P-5K | 21.5" TFT LCD / Resistive touch screen / DC12~36V Input / Resolution 1080x1920  |
| IDD52215P-5K | 21.5" TFT LCD / Capacitive touch screen / DC12~36V Input / Resolution 1080x1920 |
| IDD50215P-5K | 21.5" TFT LCD / Non-touch screen / DC12~36V Input / Resolution 1080x1920        |

## Optional Accessories

|      |                        |
|------|------------------------|
| VGA  | VGA 3m / 5m            |
| DVI  | DVI 3m / 5m / 8m / 10m |
| USB  | USB 3m / 5m / 10m      |
| HDMI | HDMI 3m / 5m / 10m     |

## Packing List

|          |                            |
|----------|----------------------------|
| Terminal | 3 pin spring card terminal |
|----------|----------------------------|

Note: Package contents are subject to change without prior notice

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IDD50240

IDD52240



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

**Shanghai Panelmate Electronics Co., Ltd.**

24" FHD Industrial Arm-Mounted Operation Panel

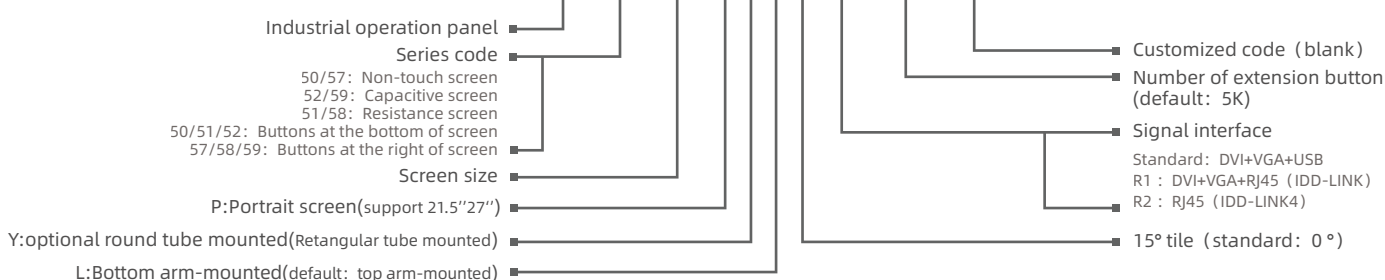


## Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- 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: Windows7, Window8, Windows10, Windows11, Linux, etc
- Interface: DVI, HDMI, VGA, 2xUSB
- Optional R1(IDD-LINK), Long distance USB signal output, support 50m
- Optional R2(IDD-LINK4), Video and USB are transmitted via a single CAT6 network cable, Transmission distance up to 100m
- DC 12~36V

## Namely Rule

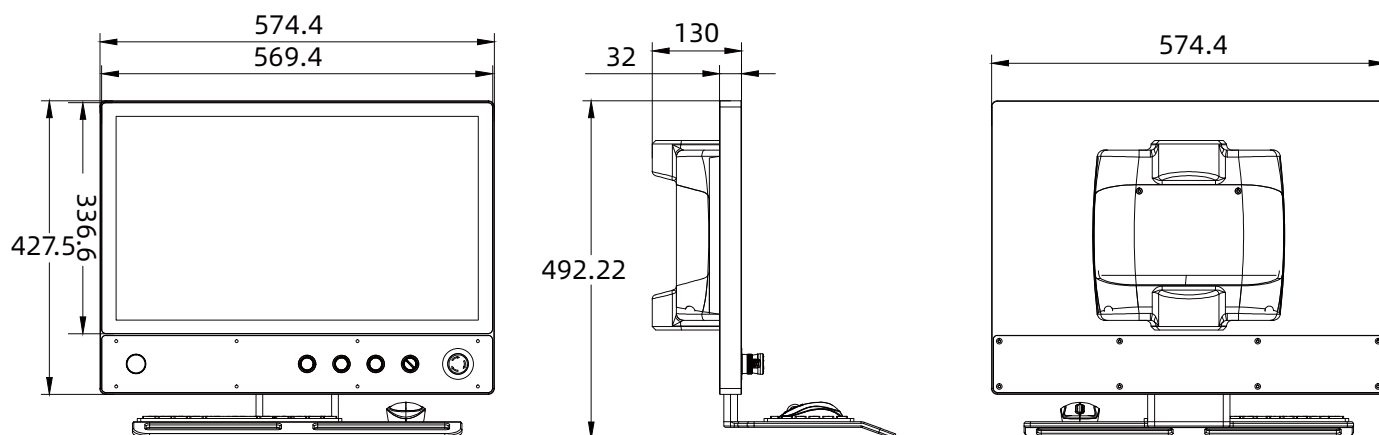
IDD 5X XXX P Y L X-R1-xxK-xxxx



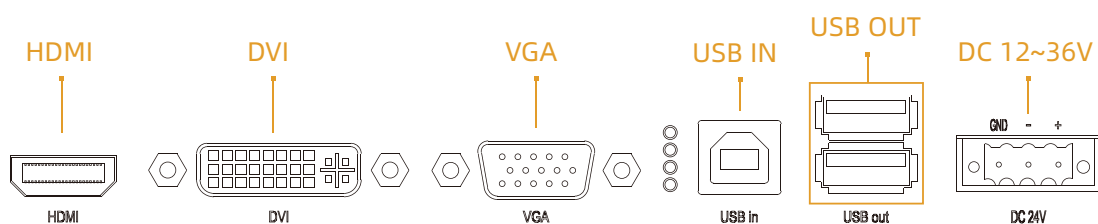
## Specifications

| Model       |                       | IDD50240&IDD52240                                                                              |
|-------------|-----------------------|------------------------------------------------------------------------------------------------|
| Routine     | Control button        | Set contrast ratio and luminance via OSD at the back cover                                     |
|             | Housing               | Front panel & back cover: Aluminium-magnesium alloy, Grounding isolation protection            |
| Power       | Input Voltage         | DC 12~36V                                                                                      |
|             | Power                 | 22W                                                                                            |
| Physical    | Display Port          | HDMI                                                                                           |
|             | Dimension (WxHxD)     | (Keyboard bay not included) 574.4 x 427.5 x 130mm (22.61" x 16.83" x 5.12")                    |
|             | Net Weight(kg)        | (Keyboard bay not included) 11.2kg                                                             |
|             | Mounted               | 6085, 4460 or 48 arm-mounted                                                                   |
| LCD         | Display Type          | 24" FHD TFT                                                                                    |
|             | Resolution            | 1920x1080                                                                                      |
|             | Colors                | 16.7M                                                                                          |
|             | Active Area (WxH/mm)  | 527.04mmx296.46mm (20.75" x 16.67")                                                            |
|             | Backlight             | LCD                                                                                            |
|             | MTBF (hour)           | 30000hrs                                                                                       |
|             | Pixel Pitch (HxV)     | 0.2745x0.2745                                                                                  |
|             | 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 & Non-touch screen                                          |
|             | Light Transmission    | >85%                                                                                           |
|             | Controller            | USB interface                                                                                  |
|             | Driver Support        | Windows7, Window8, Windows10, Windows11, Linux, etc                                            |
|             | 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                                                                                 |
|             | Protection level      | IP65                                                                                           |

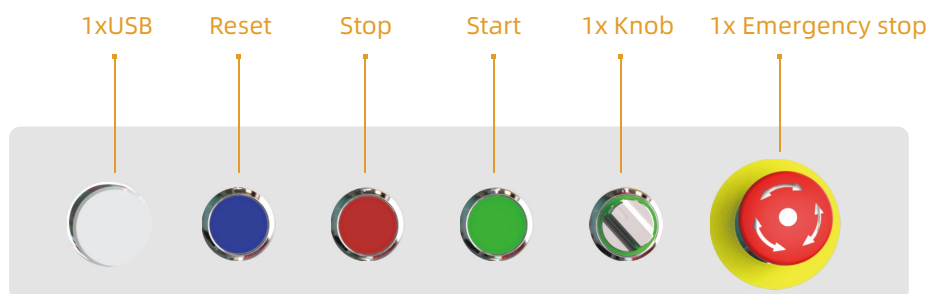
## Technical Drawings unit: mm



## External I/O View



|                  |    |                 |    |
|------------------|----|-----------------|----|
| Blue-NC-A        | 29 | Blue-NC-B       | 30 |
| Blue-LED-24V     | 27 | Blue-LED-0V     | 28 |
| Blue-NO-A        | 25 | Blue-NO-B       | 26 |
| Red-NC-A         | 23 | Red-NC-B        | 24 |
| Red-LED-24V      | 21 | Red-LED-0V      | 22 |
| Red-NO-A         | 19 | Red-NO-B        | 20 |
| Green-NC-A       | 17 | Green-NC-B      | 18 |
| Green-LED-24V    | 15 | Green-LED-0V    | 16 |
| Green-NO-A       | 13 | Green-NO-B      | 14 |
| Selector-NC-A    | 11 | Selector-NC-B   | 12 |
| Selector-LED-24V | 9  | Selector-LED-0V | 10 |
| Selector-NO-A    | 7  | Selector-NO-B   | 8  |
| Emg Stop-NC-B    | 5  | Emg Stop-NC-B   | 6  |
| Blank            | 3  | Blank           | 4  |
| Emg Stop-NC-A    | 1  | Emg Stop-NC-A   | 2  |



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

## Ordering Information

| Part Number | Description                                                               |
|-------------|---------------------------------------------------------------------------|
| IDD52240-5K | 24" TFT LCD / Capacitive touch screen/DC12~36VInput / Resolutio 1920x1080 |
| IDD50240-5K | 24" TFT LCD / Non-touch screen/DC12~36V Input / Resolution 1920x1080      |

## Optional Accessories

|      |                        |
|------|------------------------|
| VGA  | VGA 3m / 5m            |
| DVI  | DVI 3m / 5m / 8m / 10m |
| USB  | USB 3m / 5m / 10m      |
| HDMI | HDMI 3m / 5m / 10m     |

## Packing List

|          |                            |
|----------|----------------------------|
| Terminal | 3 pin spring card terminal |
|----------|----------------------------|

Note: Package contents are subject to change without prior notice

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IDD50270

IDD52270



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

**Shanghai Panelmate Electronics Co., Ltd.**

27" FHD Industrial Arm-Mounted Operation Panel

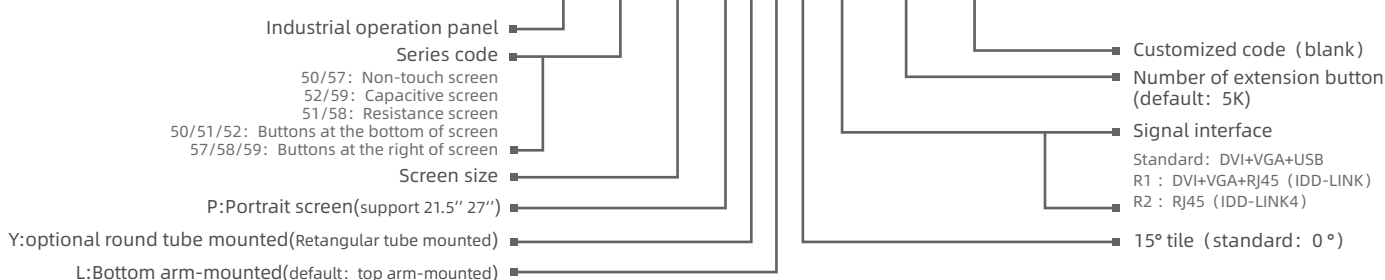


## Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- 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: Windows7, Window8, Windows10, Windows11, Linux, etc
- Interface: DVI, HDMI, VGA, 2xUSB
- Optional R1(IDD-LINK), Long distance USB signal output, support 50m
- Optional R2(IDD-LINK4), Video and USB are transmitted via a single CAT6 network cable, Transmission distance up to 100m
- DC 12~36V

## Namely Rule

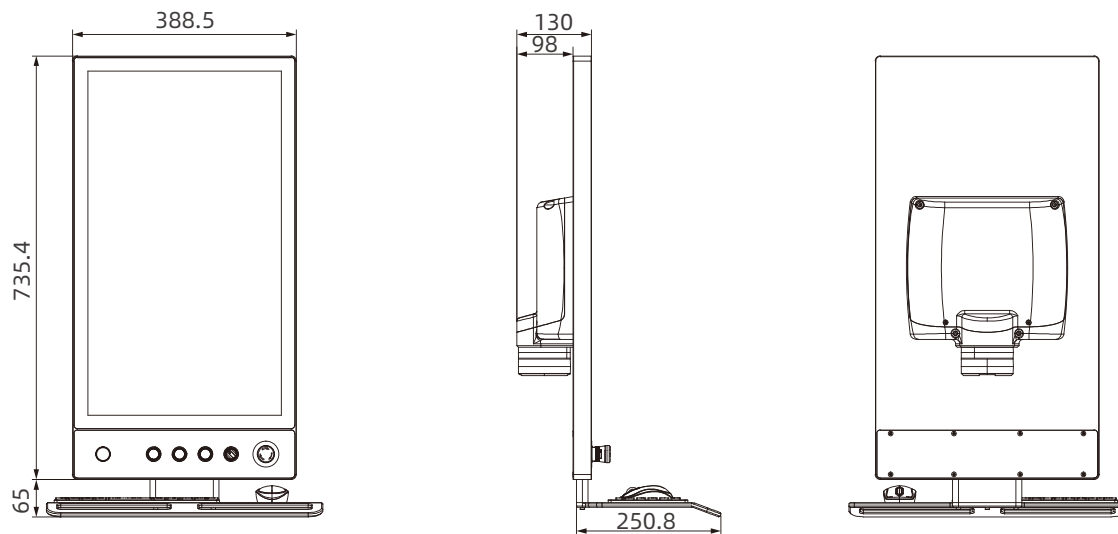
IDD 5X XXX P Y L X-R1-xxK-xxxx



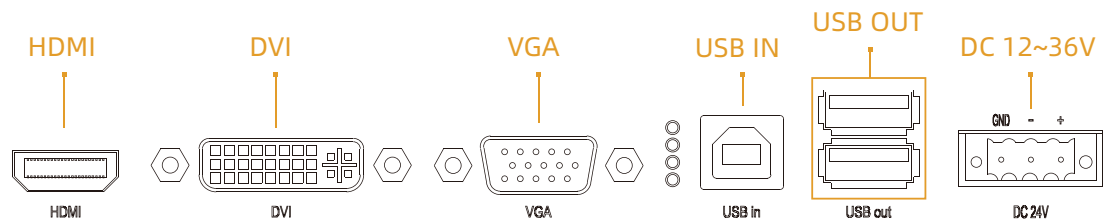
## Specifications

| Model       |                       | IDD50270&IDD52270                                                                              |
|-------------|-----------------------|------------------------------------------------------------------------------------------------|
| Routine     | Control button        | Set contrast ratio and luminance via OSD at the back cover                                     |
|             | Housing               | Front panel & back cover: Aluminium-magnesium alloy, Grounding isolation protection            |
| Power       | Input Voltage         | DC 12~36V                                                                                      |
|             | Power                 | 20W                                                                                            |
| Physical    | Display Port          | HDMI                                                                                           |
|             | Dimension (WxHxD)     | (Keyboard bay not included) 331.6mm x 619.5mm x 130mm (15.3" x 28.95" x 5.12")                 |
|             | Net Weight(kg)        | (Keyboard bay not included) 13.75kg                                                            |
|             | Mounted               | 6085、4460 or 48 arm-mounted                                                                    |
| LCD         | Display Type          | 27" FHD TFT                                                                                    |
|             | Resolution            | 1080 x 1920                                                                                    |
|             | Colors                | 16.7M                                                                                          |
|             | Active Area (WxH/mm)  | 268.11mm x 476.64mm (13.23" x 23.54")                                                          |
|             | 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                                                                 |
| Touchscreen | Touch Type            | Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen     |
|             | Light Transmission    | >85%                                                                                           |
|             | Controller            | USB interface                                                                                  |
|             | Driver Support        | Windows7, Window8, Windows10, Windows11, Linux, etc                                            |
|             | Multi-touch           | 10 points                                                                                      |
|             | Surface Hardness      | Resistive touchscreen: Mohs' Number >= 3H; 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                                                                                 |
|             | Protection level      | IP65                                                                                           |

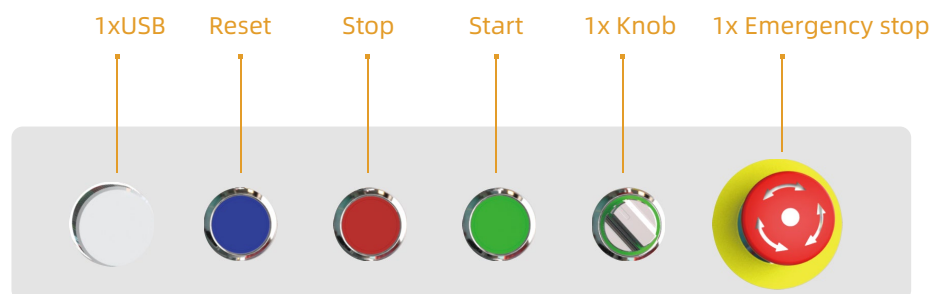
## Technical Drawings unit: mm



## External I/O View



|                  |    |                 |    |
|------------------|----|-----------------|----|
| Blue-NC-A        | 29 | Blue-NC-B       | 30 |
| Blue-LED-24V     | 27 | Blue-LED-0V     | 28 |
| Blue-NO-A        | 25 | Blue-NO-B       | 26 |
| Red-NC-A         | 23 | Red-NC-B        | 24 |
| Red-LED-24V      | 21 | Red-LED-0V      | 22 |
| Red-NC-A         | 19 | Red-NC-B        | 20 |
| Green-NC-A       | 17 | Green-NC-B      | 18 |
| Green-LED-24V    | 15 | Green-LED-0V    | 16 |
| Green-NO-A       | 13 | Green-NO-B      | 14 |
| Selector-NC-A    | 11 | Selector-NC-B   | 12 |
| Selector-LED-24V | 9  | Selector-LED-0V | 10 |
| Selector-NO-A    | 7  | Selector-NO-B   | 8  |
| Emg Stop-NC-B    | 5  | Emg Stop-NC-B   | 6  |
| Blank            | 3  | Blank           | 4  |
| Emg Stop-NC-A    | 1  | Emg Stop-NC-A   | 2  |



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

## Ordering Information

| Part Number | Description                                                                     |
|-------------|---------------------------------------------------------------------------------|
| IDD50270-5K | 21.5" TFT LCD / Resistive touch screen / DC12~36V Input / Resolution 1080x1920  |
| IDD52270-5K | 21.5" TFT LCD / Capacitive touch screen / DC12~36V Input / Resolution 1080x1920 |

## Optional Accessories

|      |                        |
|------|------------------------|
| VGA  | VGA 3m / 5m            |
| DVI  | DVI 3m / 5m / 8m / 10m |
| USB  | USB 3m / 5m / 10m      |
| HDMI | HDMI 3m / 5m / 10m     |

## Packing List

|          |                            |
|----------|----------------------------|
| Terminal | 3 pin spring card terminal |
|----------|----------------------------|

Note: Package contents are subject to change without prior notice