

User Operation Manual

IDD6XXX-VESA

Industrial Arm-Mounted Operation Stainless Steel Monitor



Publication List

Product model	Company
IDD6XXXX-VESA	Shanghai Panelmate Electronics Co., LTD

Review/Approval

	Name/function/Company	Signature
Draw Up	FZJ/Document control engineer/Panelmate electronics	<i>Fzj</i>
Approval	ZJC/Design engineer/Panelmate electronics	<i>Zjc</i>
Authorize	JJY/General manager/Panelmate electronics	<i>Jjy</i>

Other

Revision date	Page
February 26, 2024	30 pages

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Declaration Of Conformity

These restrictions are for system operation in a commercial environment from harmful interference in the operation of the system in a commercial environment. This device generates, uses and transmits radio frequency energy. If not properly installed and used correctly to the manual instructions, it may cause harmful interference to radio communications. However, even if the installation and use of the manual instructions are followed, there is no guarantee that there will be no interference. If this device will cause harmful interference with radio or television signal reception, the user can confirm by turning the device on and off. When the device produces harmful interference, the user can take the following measures to solve the interference problem:

1. Adjust the direction or position of the receiving antenna.
2. Increase the distance between this device and the receiver.
3. Plug the power connector of this device into a power socket with different circuit from the receiver.
4. For technical support, consult your dealer or an experienced radio technician.

Technical Support And Service

1. For the latest information and documentation of this product, please visit our official website www.panelmate.cn
2. If you need technical support, please contact your local distributor, sales representative customer service center. Before technical consultation, the user must collect the following product information:
 - Product name and serial number
 - Description of peripheral additional devices
 - Description of the user software (operating system, version, application software, etc.)
 - A complete description of the problem with the product
 - The full content of each error message

Safety Instruction

1. Before installing, wiring, operating, and checking the product, it is necessary to carefully read this manual and related manuals introduced in the manual, and operate the product correctly with full attention to safety.
2. Please keep this user manual for future reference.
3. Please unplug the power cord from the socket before cleaning the device with a damp rag. Do not use liquid or decontamination sprays to clean the equipment.
4. For devices that use power cords, there must be an easily accessible power socket around the device.
5. Ensure that the device is placed on a reliable surface before installation. An unexpected fall may damage the device.
6. Before you connect the device to the power socket, make sure that the power socket voltage meets the requirements.
7. Please place the power cord in a position where people cannot easily trip, and do not cover any debris in the power line.
8. Please pay attention to all warnings and attention signs on the device.
9. If you do not use the device for a long time, please disconnect it from the power socket to avoid the device being damaged by excessive voltage fluctuations.
10. Do not allow any liquid to flow into the equipment, you must disconnect to avoid fire or short circuit.
11. Please do not turn on the device by yourself. To ensure your safety, disconnect all external power supplies used by the system before turning on the device. Turn on the device by a certified professional engineer with sufficient electrical knowledge.

In case of the following situations, please be repaired by professional personnel:

- The power cord or plug is damaged
- There is liquid flowing into the equipment
- The device does not work properly, or you cannot make it work properly through the user manual
- Equipment falls or is damaged
- The equipment has obvious appearance damage

Please do not store the device in an environment beyond our recommended temperature range, that is, not lower than -20 ° C or higher than 60 ° C, otherwise it may damage the device.

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All components are provided with specific hardware and software configurations are suitable for application software. Unauthorized modification and alteration of hardware or software configuration beyond the scope of the document is prohibited, otherwise Shanghai Panelmate Electronics Co., Ltd. shall not be liable for any resulting liability arising therefrom.

The following actions are not within the scope of responsibility of the Company:

- Failure to comply with the provisions of this document
- Improper use
- Operated by untrained personnel
- Unauthorized replacement of parts

Employee Qualifications and Responsibilities

All operations involving software and hardware should only be performed by qualified personnel with knowledge of control and automation engineering. Qualified personnel must understand the management of control teams and related networks.

All interventions must have knowledge of control planning, and qualified personnel must be familiar with existing standards and guidelines for automated environments.

The operator must ensure that:

- Products are used only as intended
- The product runs in good condition and works normally
- Products are operated, maintained and repaired only by qualified and authorized personnel
- Regularly receive guidance from personnel on safety and be familiar with the operating manual, especially the safety instructions contained in this document
- The operating manual is in good condition, complete and always available for reference at the product location

Table Of Contents

Chapter 1 Overview

1.1 File content	05
1.2 Safety notice	05

Chapter 2 Introduction

2.1 Product overview	06
2.2 Product characteristics	06
2.3 Name Rule	06
2.4 External overview	07
2.5 Internal overview	07
2.6 Product specification	08
2.7 Product size	10
2.9 Product interface definition	11

Chapter 3 Accessories introduction

3.1 Control Panel Overview	18
3.2 Control Panel characteristics	19
3.3 Name Rule	19
3.4 Control Panel specification	19
3.5 Control Panel size	20
3.6 Control Panel interface definition	20

Chapter 4 Installation instructions

4.1 Installation of aviation plug	23
4.1 Install	24
4.2 Transportation and storage	26

Chapter 5 Safety Prevention And Maintenance

5.1 Safety precautions	27
5.2 Prevention and cleaning	28

Chapter 6 FAQ

6.1 Technical support and service	29
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Chapter 1 Overview

1.1 File Content

This document contains the information you need to use the product during the applicable phase of the product's life cycle, as follows:

- Specification and model
- Product size
- Interface definition
- Mounting method
- Safety instruction

1.2 Safety Notes

For safety, the following icons are used in this document to provide you with more security information tips:

Icon	Description
	Warning: Indicates a potentially hazardous situation that, if not avoided, will result in death, serious injury, or significant property damage
	Danger: indicates an imminent hazardous situation that, if not avoided, will result in death, serious injury, or significant property damage
	Tip: Indicates important information

Chapter 2 Introduction

2.1 Product Overview

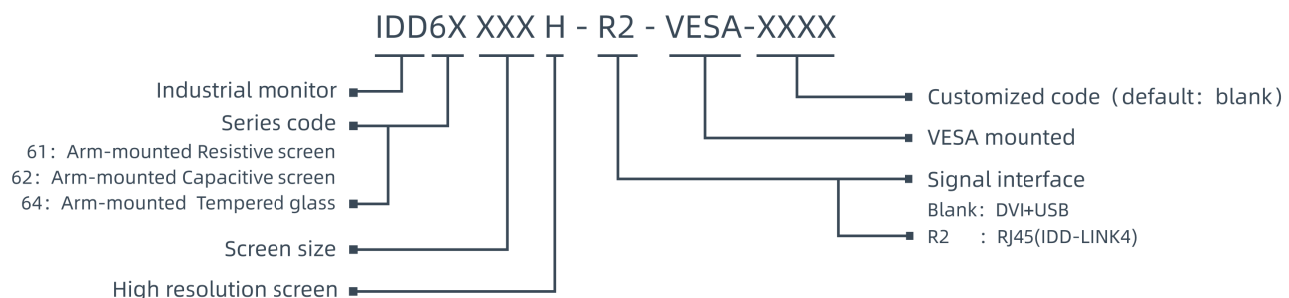
IDD6XXXX series products are arm-mounted operation stainless steel industrial displays, The product adopts all 304 stainless steel flat design, Easy to clean and maintain. Its protection class is IP65, dustproof and waterproof, very suitable for use in harsh industrial environments. It can meet the needs of manufacturing, food and beverage, pharmaceutical and other industries. It is suitable for clean room, hospital, laboratory and other areas with high health and safety requirements. Paired with control panel accessories, ensure quick and easy operation when needed. The display size is 15.6" , 21.5" optional.

2.2 Product characteristics

- Display type: 15.6" , 21.5"
- Front panel/back cover: 304 stainless steel
- Front panel/Rear: IP65
- Touchscreen mode: Single point resistive touchscreen, Multi-touch capacitive screen, Tempered glass
- OS: Win7, Win8, Win10, Win11, Linux
- Video and touch signals can use the IDD-LINK4 interface
- DC 24V
- Stainless steel with rounded flat panel design, it's better for food, packaging and pharmaceutical applications

2.3 Name Rule

Product naming rules:



2.4 External Overview

IDD6XXXX Series Arm-mounted Operation Industrial Stainless Steel Monitor is composed of front panel screen and back panel. See Figure 2-4-1 and Figure 2-4-2.



Figure 2-4-1

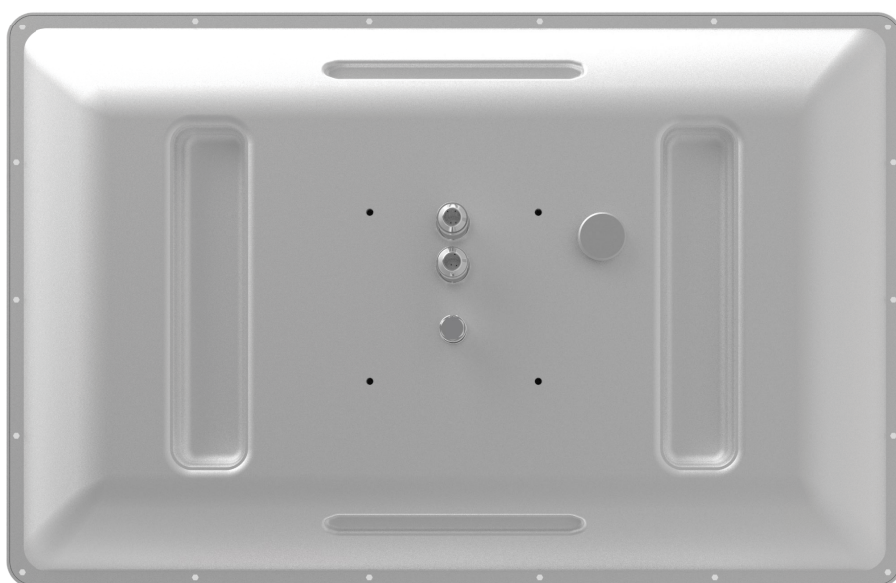


Figure 2-4-2

Front panel includes stainless steel exterior frame with touch screen (glass).

2.5 Internal Overview

The interior includes touch drive board +AD motherboard, AD motherboard contains power supply, USB, IDD-LINK4 interface, etc.

2.6 Product Specification

2.6.1 Product Parameters

The interface of IDD6XXXX series products is available as standard (DVI+USB) and R2 (IDD-LINK4).

Description	IDD6XXXX Series Industrial Arm-Mounted Operation Stainless Steel Monitor		
Routine	Housing	Front panel & back cover: 304 stainless steel	
	Mounting	Custom VESA Stand	
	Rear I/O	IDD6XXXX 1 x M12 17pin A-code DVI	IDD6XXXX-R2 1 x M12 8pin X-code IDD-LINK4
Touchscreen	Touch Type	Single point resistive touchscreen & Multi-point capacitive touchscreen & Tempered glass 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 $\geq 3H$; 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	IP65	

2.6.2 Product Specification

IDD6XXXX series products are available in 15.6" and 21.5" sizes. The following are the product parameters of each size.

2.6.2.1 15.6 inch specification

Note: 15.6 "has two specifications: regular screen and high resolution screen. The high resolutionscreen model is IDD6X156H, and The suffix " H " is stand for high resolution screen.

Description		IDD61156& IDD62156&IDD64156	IDD61156H& IDD62156H&IDD64156H
Power	Input Voltage	1 × M12 4pin A-code DC power supply: DC 9~36V	
	Power	IDD6X156 18W IDD6X156-R2 28W	IDD6X156H 8W IDD6X156H-R2 18W
Physical	Dimension (WxHxD)	413.2mm x 276.2mm x 53mm (16.27" x 10.87" x 2.09")	
LCD	Display type	15.6" WXGA TFT	15.6" FHD TFT
	Colors	16.7M	16.7M
	Resolution	1366 x 768	1920 x 1080
	Active Area (WxH)	344.23mm x 193.54mm (13.55"x 7.62")	344.232mm x 193.536mm (13.55"x 7.62")
	Backlight	LED	LED
	MTBF(Hour)	50000hrs	15000hrs
	Pixel Pitch	0.252 x 0.252	0.252 x 0.252
	Luminance(cd/m2)	300cd/m2	250cd/m2
	Contrast Ratio	3000: 1	3000: 1
	Viewing Angle	(L)85 / (R)85 / (U)85 / (D)85	(L)89 / (R)89 / (U)89 / (D)89

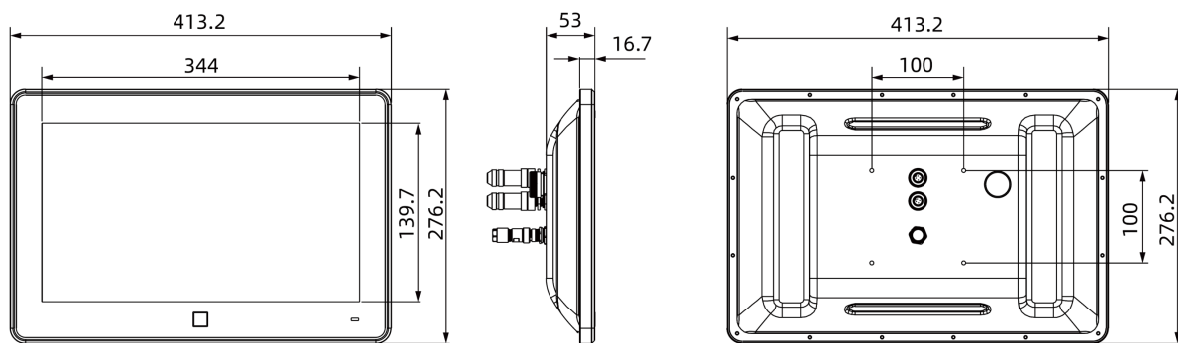
2.6.2.2 21.5 inch specification

Description		IDD61215&IDD62215&IDD64215	
Power	Input Voltage	1 × M12 4pin A-code DC power supply: DC 9~36V	
	Power	IDD6X215 20W	IDD6X215-R2 30W

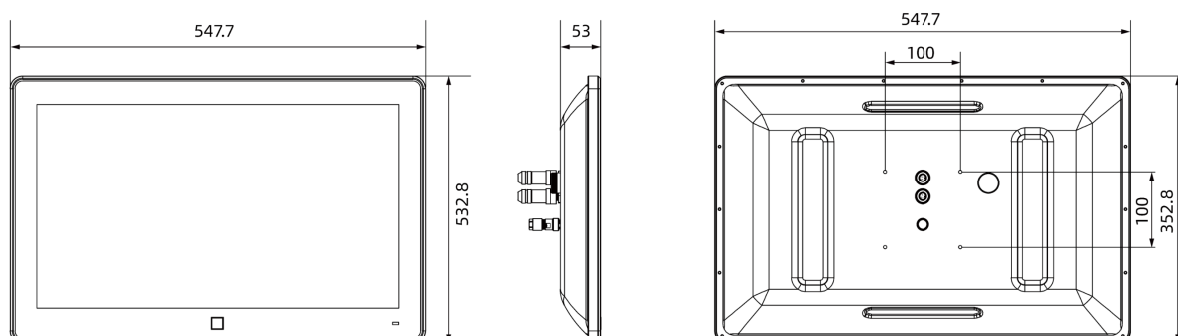
Physical	Dimension (WxHxD)	547.7mm x 532.8mm x 53mm (21.56" x 20.98" x 2.09")
LCD	Display type	21.5" FHD TFT
	Colors	16.7M
	Resolution	1920 x 1080
	Active Area (WxH)	476.64mm x 268.11mm (18.77" x 10.56")
	Backlight	LED
	MTBF(Hour)	3000hrs
	Pixel Pitch	0.24825 x 0.24825
	Luminance(cd/m2)	250cd/m2
	Contrast Ratio	3000: 1
	Viewing Angle	(L)89 / (R)89 / (U)89 / (D)89

2.7 Product Size

15.6 inch industrial arm-mounted operation stainless steel display size diagram:



21.5 inch industrial arm-mounted operation stainless steel display size diagram:



2.8 Product Interface Definition

IDD6XXXX series industrial arm-mounted operation stainless steel monitors back interface definition is shown in Figure 2-8-1:

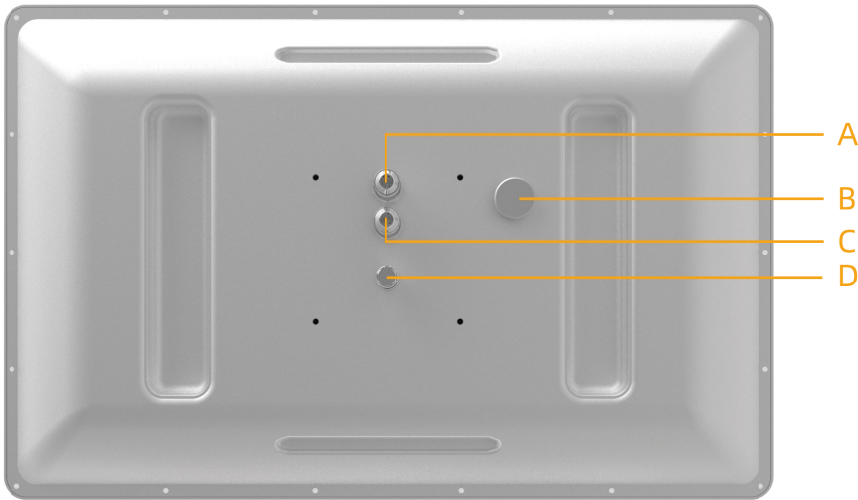
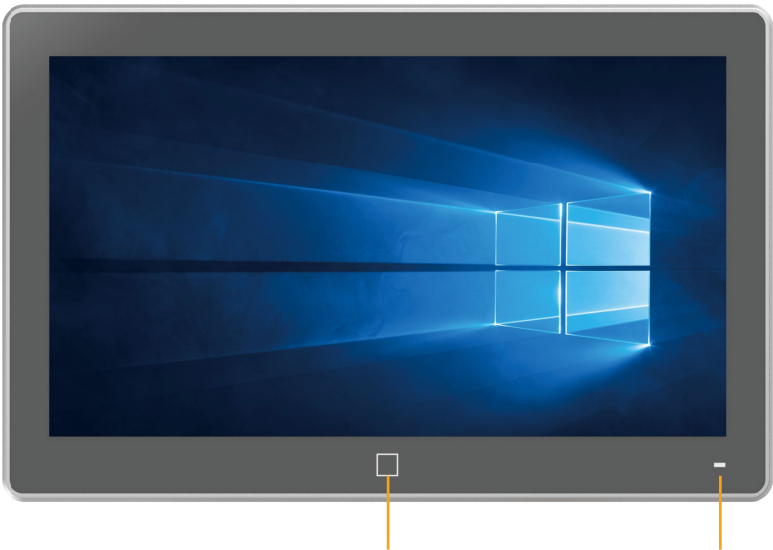


Figure 2-8-1

- | | |
|---------------------------------|-----------------------------|
| A: 1 × M12 4pin A-code DC power | B: Metal knob double USB |
| C: 1 × M12 4pin D-code USB | D: 1 × M12 17pin A-code DVI |

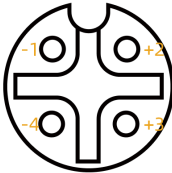


- | | |
|----------------------|-----------------------|
| IC card sensing area | Power indicator light |
|----------------------|-----------------------|

2.8.1 M12 A-code to power port

IDD6XXXX series products provide A 9~36V input via 1 M12 4pin A-Code aviation connector:

DC IN interface pin definition	
Pin	Signal
Pin1	0V
Pin2	DC 24V
Pin3	DC 24V
Pin4	0V



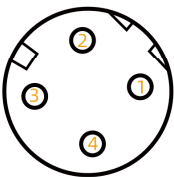
A-code to DC power cord

Wiring table:

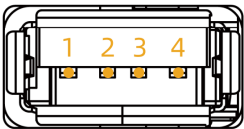
CN1		Core wire color
1		Brown/棕色
2		White/白色
3		Blue/蓝色
4		Black/黑色

2.8.2 M12 D-code to USB A (USB In)

IDD6XXXX series products provide 1 M12 4pin D-code USB aviation connector:



D-code to USB A



USB2.0 TypeA

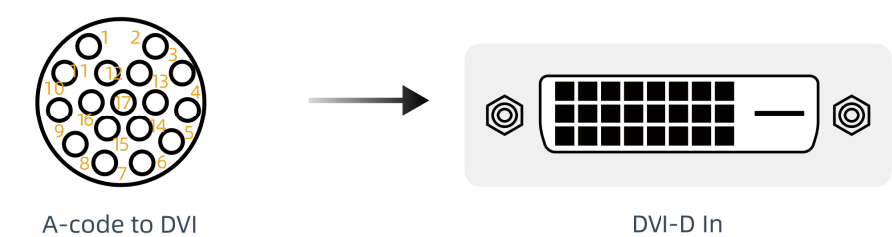
USB interface pin definition	
Pin	Signal
Pin1	VCC
Pin2	D-
Pin3	D+
Pin4	GND

Wiring table:

CN1		Core wire color		CN2
1		Red/红色		1
2		White/白色		2
3		Green/绿色		3
4		Black/黑色		4
shell		masking		shell

2.8.3 M12 A-code to DVI

IDD6XXXX series products provide 1 M12 17pin-code DVI aviation connector:



DVI pin definition			
Pin	Signal	Pin	Signal
Pin1	D0 5V	Pin10	D0 SCL
Pin2	D0 D2 N	Pin11	D0 SDA
Pin3	D0 D2 P	Pin12	DGND
Pin4	D0 D1 N	Pin13	DGND
Pin5	D0 D1 P	Pin14	DGND
Pin6	D0 D0 N	Pin15	DGND
Pin7	D0 D0 P	Pin16	D0 HPD
Pin8	D0 CK N	Pin17	D0 DET
Pin9	D0 CK P	-	-

② **IDD6XXXX series industrial operation arm-mounted stainless steel monitorsz (IDD-LINK4 with KVM function)** back interface definition is shown in Figure 2-8-2:

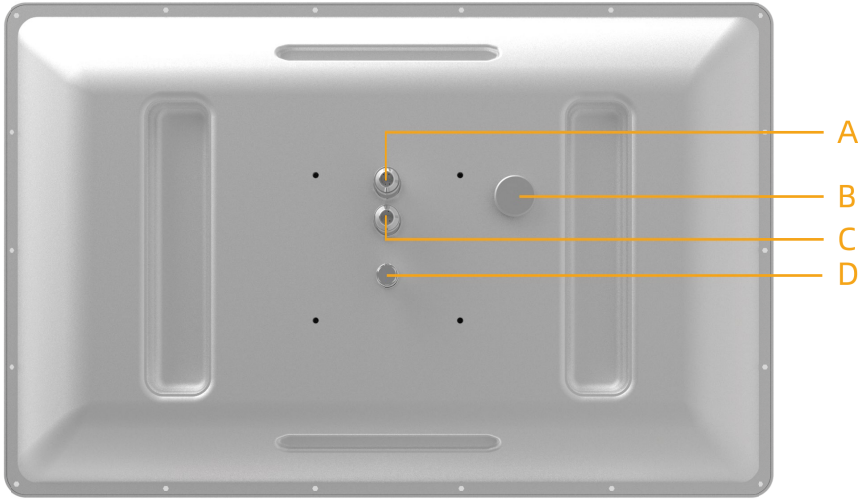
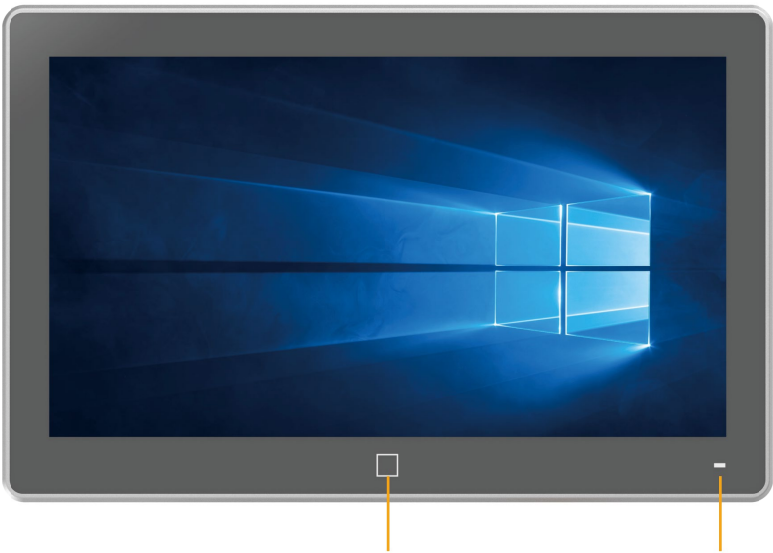


Figure 2-8-1

- | | |
|---------------------------------|----------------------------------|
| A: 1 × M12 4pin A-code DC power | B: Metal knob double USB |
| C: 1 × M12 4pin D-code USB | D: 1 × M12 8pin X-code IDD-LINK4 |

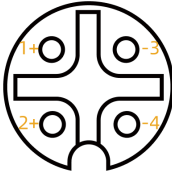


IC card sensing area Power indicator light

2.8.4 M12 A-code to power port

IDD6XXXX series products (IDD-LINK4 with KVM function) provide A 9~36V input via 1 M12 4pin A-Code aviation connector:

DC IN interface pin definition	
Pin	Signal
Pin1	DC 24V
Pin2	DC 24V
Pin3	GND
Pin4	GND



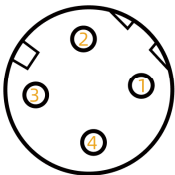
A-code to DC power cord

Wiring table:

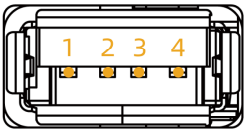
CN1		Core wire color
1		Brown/棕色
2		White/白色
3		Blue/蓝色
4		Black/黑色

2.8.5 M12 D-code to USB A （USB OUT）

IDD6XXXX series products (IDD-LINK4 with KVM function) provide 1 USB aviation connector with M12 4pin D-code:



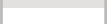
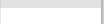
D-code to USB A



USB2.0 TypeA

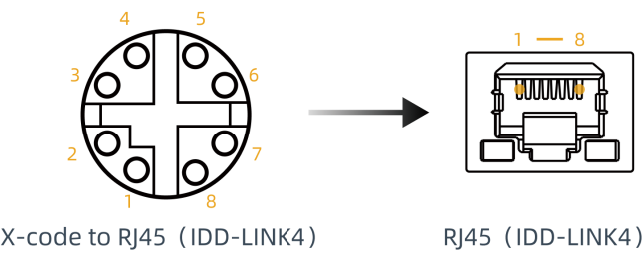
USB interface pin definition	
Pin	Signal
Pin1	VCC
Pin2	D-
Pin3	D+
Pin4	GND

Wiring table:

CN1		Core wire color		CN2
1		Red/红色		1
2		White/白色		2
3		Green/绿色		3
4		Black/黑色		4
Shell		masking		Shell

2.8.6 M12 X-code to RJ45 (IDD-LINK4)

IDD6XXXX series products (IDD-LINK4 with KVM function) provide 1 M12 8pin x-code RJ45 (IDD-LINK4) aviation connector:



Wiring table:

CN1		Core wire color		CN2
1		white orange		1
2		orange		2
3		white green		3
4		green		6
5		white brown		7
6		brown		8
7		white blue		5
8		blue		4
/		masking		Shell

Chapter 3 Accessories introduction

3.1 Control Panel Overview

Panel62156-XK keypad is a keypad accessory compatible with stainless steel display series. It is equipped with standard five buttons to help operators quickly and easily. The product adopts all 304 stainless steel rounded flat design, easy to clean and maintain. Its protection level is IP65, dustproof and waterproof, very suitable for use in harsh industrial environments, and stainless steel industrial display style.

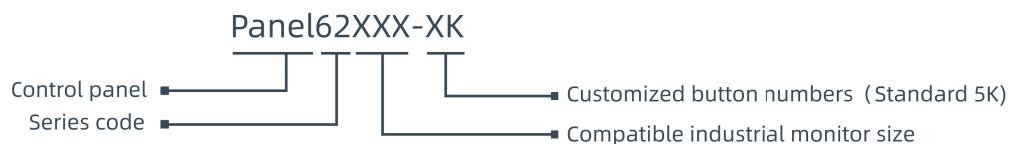


3.2 Accessories introduction

- Compatible Products: PanelMate Stainless Steel Industrial Display Series (15.6" , 21.5")
- Front panel/back cover: 304 stainless steel
- Front panel/Rear: IP65
- Standar 5 buttons ,button number and brand can be customized
- Stainless steel rounded panel design, the same as industrial stainless steel monitor

3.3 Name Rule

Product naming rules:



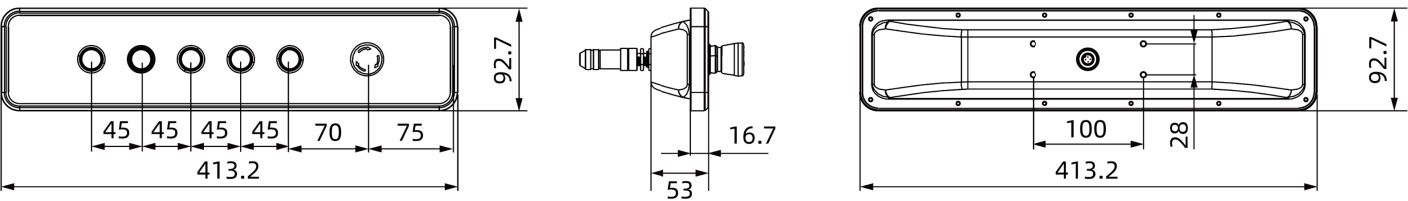
3.4 Control Panel Specification

Description	Panel62156-5K	
Routine	Housing	Front panel & back cover: 304 stainless steel
	Mounting	Custom VESA Stand
IO	Standard button	1 x emergency stop/ x start/1 x stop/1 x reset/2 x spare button
Physical	Dimension (WxHxD)	413.2mm x 92.7mm x 53mm (16.27" x 3.65" x 2.09")
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

Environment	Vibration	Operating Random Vibration Test 5~500Hz, 1Grms@with HDD; 2Grms@with SSD, follow IEC 60068-2-64
	EMC	CE/FCC Class A
	Protection	All IP65 waterproof and dustproof

3.5 Control Panel Size

Panel6X156-XK keypad size diagram:



3.6 Control Panel Interface Definition

Panel6X156 control panel buttons , Figure 3-6-1:

Note: This is the standard button quantity display. The button quantity and brand are subject to customer selection

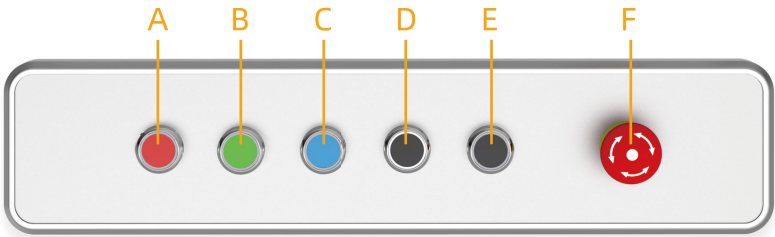


Figure 3-6-1

A: Stop B: Start C: Reset D: Spare button E: Spare button F: emergency stop

3.6.2 24pin Control Panel IO

Panel62156 keypad button provides a 24-pin IO interface for connection.



Pin Assignment Introduction

Control Panel IO interface pin definition		
Pin	Button	Signal
Pin1	Emergency stop button	Emergency stop-NC-A1
Pin2		Emergency stop-NC-A2
Pin3		Blank
Pin4		Blank
Pin5		Emergency stop-NC-B1
Pin6		Emergency stop -NC-B2
Pin7	Start Button Green	Green-NO-A
Pin8		Green-NO-B
Pin9		Green-LED-24V
Pin10		Green-LED-0V

Control Panel IO interface pin definition		
Pin	Button	Signal
Pin11	Stop Button Red	Red-NC-A
Pin12		Red-NC-B
Pin13		Red-LED-24V
Pin14		Red-LED-0V
Pin15	Reset Button Blue	Blue-NO-A
Pin16		Blue-NO-B
Pin17		Blue-LED-24V
Pin18		Blue-LED-0V
Pin19		Blue-LED-24V
Pin20		Blue-LED-0V
Pin21	Spare Button Black	Black-NO-A
Pin22		Black-NO-B
Pin23	Spare Button Black	Black-NO-A
Pin24		Black-NO-B

Chapter 4 Installation instructions

Follow these installation instructions when installing and using the network and software.

4.1 Installation of aviation plug

The default accessory of IDD6XXXX series products is the male plug of the female socket of the back panel of the corresponding product. Before the interface connection, the aviation plug needs to be installed first. (Basic steps are shown in Figure 3-1-1)



Figure 3-1-1

Install

Screw type installation

Please first check that the plug is of the same type and number as the socket, and that there are no damaged or redundant objects in the internal jack or pin.

① Fixed plug:

Tighten the tail thread of the aviation plug by hand or with an appropriate tool (wire clamp) to avoid using excessive force to damage the plug.

② Stripping treatment:

Next, you need to strip the cable, peel off the insulation layer on the wire, expose a certain length of wire, and then twist into a strand, then connect with the plug.

③ Installation and wiring :

Solder the wire at the wiring if the wiring definition is correct. Note that the wires of different colors should be connected to the correct end, so as to avoid the situation that the wrong plug connection leads to failure. (The specific wiring definition can be found in Chapter 2, 2.8 Interface Definition)

④ Shell installation:

Place the metal housing of the plug over the wiring terminals and tighten the screws in order.

⑤ Insulation treatment:

Use the insulating tape to insulate the wiring and welding place to ensure that the wire will not appear short circuit and other safety hazards. At this time, you can also install the sealing ring.

4.2 Installation

This products are IDD6XXXX series Industrial Arm-mounted Operation Stainless Steel Monitor, following points should pay attention before installation:

- Do not work on live equipment. Power off the device before installation, troubleshooting, or maintenance. Protect the device from accidental opening.
- Comply with the relevant accident prevention regulations for your machine (e.g. BGVA3, electrical systems and equipment).
- Ensure that connections comply with standard to avoid risks to personnel. Ensure that data and power cables are layout in a standard manner and that pins are properly distributed.
- Follow the relevant EMC guidelines for your application.
- Avoid polarity reversal of data and power cables, which may damage the device.
- Devices, including electronic components, may be damaged by electrostatic discharge upon contact. Comply with DIN EN61340-5-1/-3 safety measures to prevent electrostatic emissions.
- The external ground cable must be installed, and the external ground cable is at least 4 mm² square.

4.1.1 Installation and Operation

Firstly, the male part of the aviation plug and the plug interface should be installed (see Picture 2-8-1 in the interface definition of Chapter 2 2.8 for the specific interface and definition), and then the bracket should be installed and fixed.

Installation instructions

- Ensure that the power supply is cut off before installation.
- Please try to avoid direct sunlight to extend the service life of the machine.
- Connect the device according to the device connection port and pay attention to the bending radius of the cable during installation to avoid a small radius.
- Ensure that the device is properly connected before switching on the power supply.

Install

Custom VESA Stand installation (Figure 3-1-2)

- ① Please first flip the product to the back and place it horizontally. Thread the rear interface harness into the custom bracket pipe and lead the harness from the other end.
- ② Align the bracket to the reserved mounting hole in the back panel of the product, and install M4 screw with a Phillips screwdriver to ensure that the bracket is completely fixed with the product and does not fall off.



Figure 3-2-1

Matters needing attention

- Strictly follow the above steps to fix the monitor!
- All screws must be tightened to prevent the product from falling off!
- Avoid exposing the display to sunlight directly!
- Avoid extreme environments and protect the control panel from dust, moisture and heat.

Grounding measurement

The ground connection eliminates interference from external power cables, transverse cables, or external device cables. A low impedance connection is established from the display housing ground point to the center ground point on the wall of the control cabinet where the display is located. Loss of ground connection may result in failure.

3.3 Transportation And Storage

Transport

Despite the robust design of this product, however these components are sensitive to strong vibrations and shocks. The display must be protected from excessive mechanical stress during transport and the original packaging should be used.

Storage

The display needs to be stored in a dry environment in its original packaging at a temperature between -20°C and 60°C.

Package

Follow these steps as below and disassemble the device.

1. Remove the package.
2. Keep the original packaging for future relocation.
3. Compare with your order to check that the delivery goods are complete.
4. Keep relevant documents. It contains important information used to process the product.
5. Check the device if there is visible damage during the transportation.

* If you notice any shipping damage or inconsistencies between the goods with your order, please notify Shanghai Panelmate Electronics Co., Ltd. for after-sales service.

Chapter 4 Safety Prevention And Maintenance

4.1 Safety Precautions

Please follow the following safety precautions.

4.1.1 General Safety Precautions

- Always follow the ESD precautions outlined below when opening the IDD6XXXX series.
- If you need to install, move or modify the IDD6XXXX series, you should ensure that the power supply is turned off and the power cord is disconnected.
- Do not apply voltage levels that exceed the specified voltage range. Failure to do so may result in fire or electric shock.
- When the IDD6XXXX series products are in operation, once the IDD6XXXX series product chassis is opened, an electric shock may occur.
- Do not drop or insert any object into the external interface of the IDD6XXXX series.
- Once a large amount of dust, water or liquid enters the IDD6XXXX series products, the power should be turned off immediately, unplug the power cord, and then contact Panelmate.
- The following activities are prohibited:
 - Do not drop the device onto hard ground.
 - Do not tap or exert excessive force on the LCD panel.
 - Do not touch any part of the LCD panel with sharp objects.
 - Do not use IDD6XXXX series products in places where the ambient temperature exceeds the rated temperature.

4.1.2 ESD Preventive Measures

Warning:

Failure to take ESD precautions during installation of the IDD6XXXX series products may result in permanent damage to the products and serious injury to users.

Electrostatic discharge (ESD) may cause serious damage to the electrical components of this product. Dry climates are more likely to produce ESD. Therefore, once this product is opened and any electrical parts need to be handled, the following anti-static precautions must be strictly followed:

- Wear an ESD wrist strap: Wear a simple ESD wrist strap to prevent ESD damage to electrical components.
- Self-grounding: Any grounding conductive material should be touched before handling any electrical parts. During handling of electrical parts, any conductive substance that is grounded should always be touched.

- Use an ESD mat: When you configure electrical components or perform related operations, place them on an ESD mat. This reduces the possibility of ESD damage.
- Only touch the edge of the electrical parts: In the case of handling electrical parts, hold the electrical parts by holding the edge.

4.1.3 The scope of the product is not applicable

The product is not suitable for operation in the following areas:

- Areas with aggressive environments, e.g. aggressive gases or chemicals

4.2 Maintenance and Cleaning

Please maintain and clean the product as follows.

4.2.1 Maintenance and Cleaning

Please read the following details before cleaning any parts or components of the product. Do not spray or spray the liquid directly on any other parts.

- No need to clean the inside to avoid liquids from getting inside.
- Be careful not to damage the internal small, removable parts.
- Please turn off the power before cleaning.
- Do not drop any object or allow any liquid to enter the product through the opening.
- When cleaning, be careful of any allergic reactions your body may have to solvents or chemicals.
- Avoid eating, drinking and smoking near work areas.

4.2.2 Cleaning Tool

Only specially designed products may be used to clean certain parts. In such cases, such products will be clearly indicated in the cleaning instructions. Here is a list of things you can use for cleaning:

- Cloth - After cleaning the product, dry the stainless steel surface with a soft, clean cloth to prevent water stains and fingerprints.
- Warm water, soapy water, alcohol -- A soft cloth dipped in warm water, soapy water or rubbing alcohol should be used.
- Use of solvents - It is recommended not to use solvents as they may cause damage to the components.
- Cotton swabs - A cotton swab dipped in rubbing alcohol or warm water is an excellent tool for wiping down hard-to-reach product areas.
- Foam sign - If possible, it is best to use foam sign and other non-lint sign for cleaning treatment.

Chapter 5 FAQ

5.1 Technical Support And Service

Please visit the official website of Shanghai Yiyao Electronics www.panelmate.cn and wechat official account “亿耀电子” to download the documents and related driver software, or contact the company directly for support and service.

PANELMATE
Creative HMI Solution

Building 18,#177 Fulian 2nd Road,Baoshan District,Shanghai,China

<http://www.panelmate.cn>

E: info@panelmate.cn

T: 021-54851801