

PDS-1502 Series
15-inch Panel Display
Version: A0

The List of Items

Your PDS-1502 should include the items listed below. If there's any damage or loss, please contact your distributor.

- One PDS-1502 series display
- One *User's Manual*
- One power supply cord
- One VGA cable

Note: Some accessories along with the PDS-1502 may not be listed above. Please refer to actual packing list or customer's requirements.

Announcement

The information in this manual represents no promise or guarantee by EVOC. EVOC reserves the right to make changes to the manual, without prior notice to customer. EVOC will not be held liable for any direct, indirect, intended or unintended losses and/or hidden dangers due to installation or improper operation.

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Safety Instructions

1. Please read the *User Manual* carefully before using your PDS-1502.
2. Before inserting, removing or re-configuring motherboard or expansion card, first disconnect the computer and peripherals from their power sources;
3. Before removing boards or computer, first turn off all power resources and disconnect the power cord from power source;
4. For whole set, when inserting or removing boards, first disconnect the computer and peripherals from their power sources;
5. Before you connect or unplug any signal cable, make sure all power cords are unplugged in advance;
6. To avoid power on/off computer frequently, wait at least 30 seconds after turning off the computer before re-turning on the computer.
7. Static electricity can harm system boards. Perform service at an ESD workstation and follow proper ESD procedure to reduce the risk of damage to components;
8. If there's no ESD workstation, You can take the following steps to prevent damage from electrostatic discharge (ESD):
 - a) Wear a grounded wrist strap against your skin to eliminate static on your body;

- b) Always touch the metal chassis or frame before you touch any components in the chassis;
 - c) Keep part of your body in contact with the metal chassis to dissipate the static charge while handling components;
 - d) Avoid all unnecessary movement;
 - e) Handle components and boards with care. Don't touch the components or contacts on a board. Hold a board by its edges or by its metal mounting bracket;
 - f) Place the components on a grounded, static-free surface. Use a conductive foam pad if available but not the component wrapper. Use a conductive foam pad if available but not the component wrapper;
 - g) Do not let the components slide on the operating platform.
9. Use cross head screwdriver to operate. A magnetic screwdriver is recommended (magnet to collect screws). Do not leave any tools or screws inside the chassis; Do not leave any tools or screws inside the chassis;
10. Ensure abundant cooling and streamline ventilation.

C o n t e n t

Chapter 1 Product Description	1
Overview	1
Ordering Information	1
Environment and Dimensions	2
EMC Compliance	2
Reliability:	2
Safety	2
Mechanical Adaptability	2
Requirements of Transportation and Storage	3
Troubleshooting	3
Chapter 2 Installation	4
Product Outline	4
Outline	5
OSD Adjustment	7
Function Control Introduction	8
Appendix	9

Chapter 1 Product Description

Overview

PDS-1502 series display is a 15-inch LCD panel display designed for the market demands. The panel display adopts 15-inch AU LCD screen with optional touch screen function. The brightness and contrast are adjustable; it supports panel-mount, wall-mount and VESA-stand.

PDC-1502 is a high cost-effective industrial grade panel display, can be widely used in telecom, electric power, multi-media, industry automation equipment, manufacturing and many other fields, or used as monitoring equipments.

Ordering Information

Configuration Model	OSD	LCD	Touch Screen	Tempered Glass
PDS-1502	√	√		√
	√	√	√	
PDS-1502-L		√		√
		√	√	

The accessories along with PDS-1502 are marked with √.

Note: Users can order the above models according to different requirements. The actual configuration might be different from the above configuration. Please refer to the actual packing list.

Environment and Dimensions

- Dimensions: 400.0mm(L) x 300.0mm(W) x 40.0mm(H)
- Operating Temperature: 0°C~50°C
- Relative Humidity: 5%~95%, 40°C (non-condensing)
- Storage Temperature: -20°C~60°C

EMC Compliance

- Limits of radio disturbance is compliant with GB9254-1998 class A
- Immunity to disturbance is compliant with the limits of GB/T 17618

Reliability:

- MTBF \geq 5000h
- MTTR \leq 0.5h

Safety

- GB4943 Compliant

Mechanical Adaptability

- Anti-vibration: 5-19Hz/1.2mm amplitude; 19-200Hz/1.2g acceleration
- Anti-shock: 15g acceleration, 11ms duration

Requirements of Transportation and Storage

- **Transportation:**

Well-packaged products suit for transportation by trucks, ships, and planes. During transportation, products should not be put in open cabin or carriage. When transshipping en route, products should not be stored in the open without protection from the atmospheric conditions. Products should not be transported together with inflammable, explosive and corrosive substances and are not allowed to be exposed to rain, snow and liquid substances and mechanical force.

- **Storage:**

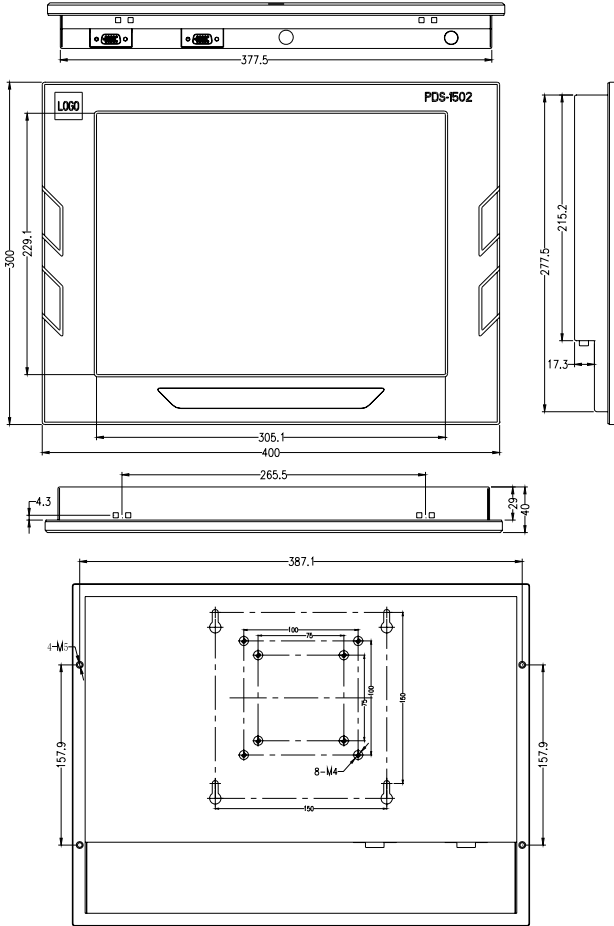
The product should be stored in the original package; the environment temperature should be in the range of 0°C ~40°C, the relative humidity in 35%~85%. In the warehouse, there should not be harmful gas, inflammable, explosive products, and corrosive chemical products, and strong mechanical vibration, shock and strong magnetic interference. The package box should be above ground at least 10cm height, and 50cm away from wall, thermal source, and vent.

Troubleshooting

Please refer to *Common Trouble Analysis and Treatment of Industrial Control Computer* for a detailed description of the troubleshooting.

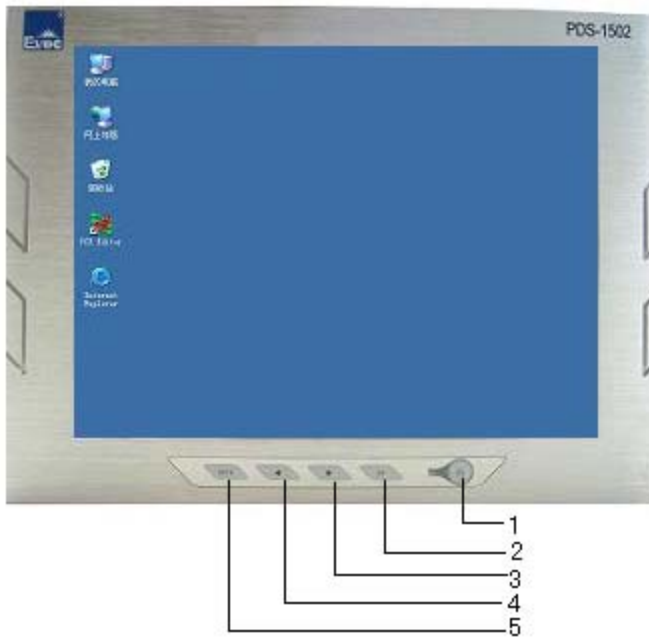
Chapter 2 Installation

Product Outline



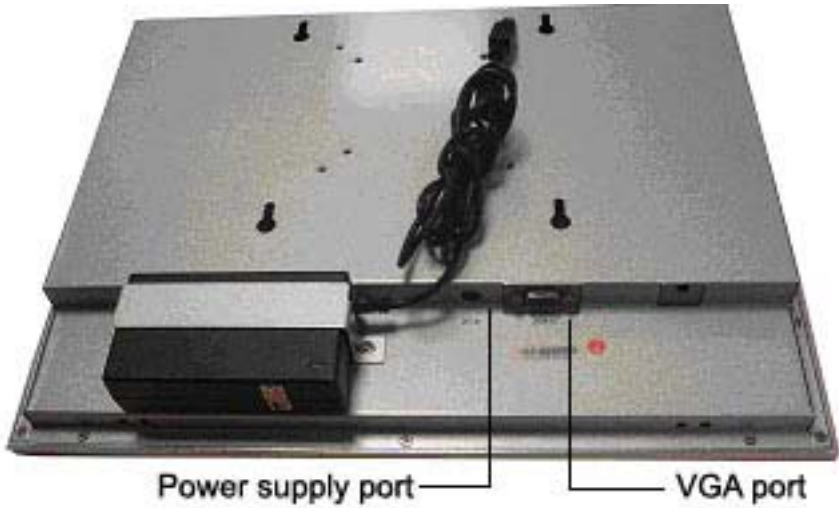
Unit: mm

Outline



Front-side external control picture of PDS-1502

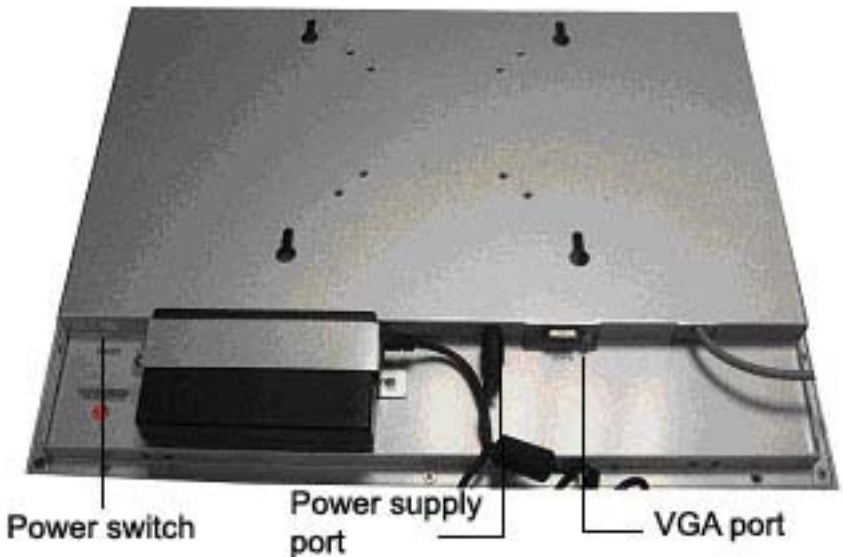
1. Power indicator/on-off
2. Menu/selection
3. Contrast:
4. Brightness
5. Auto-adjust/exit



Back-side I/O picture of PDS-1502



Front-view of PDS-1502-L





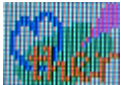



Back-side I/O picture of PDS-1502-L

OSD Adjustment

1. Press OK button to activate OSD menu.
2. Press <OR> to browse functions. Press OK to highlight the adjust function. Press <OR> to browse submenus.
3. Press <OR> to change the settings of highlighted option.
4. Select <Exit> to exit and save the settings. Please repeat the step 2~3 if you want to adjust other functions.

Function Control Introduction

Menu Options	Icons	Submenu Options	Introduction
Color Adjust		1.Contrast	Adjust the contrast/backlight/color temperature and color of the numeroscope
		2.Brightness	
		3.Color Temperature	
		4.Color Standard	
		5.Exit	
Image Adjust		1.Horizontal position	Adjust the horizontal/vertical position/focal length/timing sequence
		2.Vertical position	
		3.Phasing	
		4.Clock Rate	
		5.Exit	
Auto Adjust		1.Auto Color	Auto-adjust the shadow and color of the picture
		2.Auto Image	
		3.Exit	
Menu Adjust		1.Language Selection	Select all languages for OSD menu
		2.Menu horizontal position	
		3.Menu vertical position	
		4.Menu time	
		5.Exit	
Other		1.Shadow selecting	Select the resolution of the picture
		2.Exit	
Exit		-	Exit OSD

Appendix

Specifications

LCD Panel	Display	TFT color LCD
	Dimension	38.1 cm (15-inch)
	Dot Pitch	0.297mm x 0.297mm
Input	Video	Red, blue and green analog connector
	Frequency	60Hz-75Hz
Max. Resolution	1024 x 768	
Display Color	16.7M kinds of color	
Power	11.5 W (Typ.) @6.5mA	
Input Connector	D-type 15-pin connector	
Power Source	100~240V, 50~60Hz	
Environmental Temperature and Humidity	Operating temperature: 0°C~ +50°C	
	Storage temperature: -20°C~+60°C	
Net Weight	5kg	
Dimensions	400.0mm(L) x 300.0mm(W) x 40.0mm(H)	

For detailed information, please visit our website: www.evoc.com