

ED-MONITOR-101C

Datasheet

by EDA Technology Co., Ltd

built: 2026-08-20

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ED-MONITOR-101C

10.1-inch Industrial Touchscreen Monitor

- 1024x600 resolution, up to 500cd/m^2 Luminance, multi-touch capacitive touch screen
- Standard HDMI port for direct connection to Raspberry Pi HDMI output
- Type-C USB port to connect to Raspberry Pi USB port for touch function without driver installation
- Stereo audio output, support headphone
- 12V~24V power input on DC Jack connector
- Support backlight adjustment via software
- Featuring an aluminum alloy frame and a sheet metal enclosure, with the front panel achieving an IP65 dustproof and waterproof rating
- Embedded installation, compatible with VESA standard bracket installation



Specifications

Panel I/O	
HDMI	1 x HDMI port, Type-A connector, connecting to HDMI output.
USB	1 x USB touch screen interface (Type-C USB) for connecting to USB interface and transmitting touch screen signals.
Audio	1 x 3.5mm audio jack, stereo audio output
Power	1 x DC Jack port (5.5x2.5mm), support 12V~24V power input

Buttons and Indicators	
PWR	1 x Red power indicator, using to check the status of device power-on and power-off.
Brightness Adjustment Button	2 x Brightness adjustment buttons for increasing and decreasing the brightness.

LCD	
Type	10.1" TFT
Resolution	1024 x 600
Color Number	16.7M
Active Area	222.72mm (H) x 125.28mm (V)
Backlight	LED

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LCD	
Luminance	500cd/m^2
Contrast Ratio	800:1
Response Time	25ms
Viewing Angle (CR≥10)	85° (L) / 85° (R) / 85° (U) / 85° (D)

Touch Screen	
Type	Capacitive Touch Screen
multi-touch	Up to 5 points
Communication Method	USB
Transmittance	≥85%
Surface Hardness	≥6H

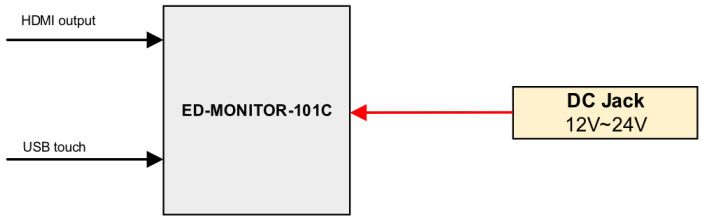
Electrical Characteristics	
Input Voltage	12V~24V DC
Power Consumption	10W (Max)

Mechanical Characteristics	
Dimensions	257.7mm x 159.7mm x 29.2mm (WxDxH)
Weight	About 940g
Installation	Embedded front installation and VESA bracket mounting

Environmental & Regulatory	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Ambient humidity	5% ~ 95% (non-condensing)
Certifications	• FCC ◦ FCC 47 CFR Part 15 Subpart B • CE ◦ EN IEC 62368-1:2024 + A11:2024 ◦ EN 55032:2015 + A1:2020 + A11:2020/EN 55035:2017 + A11:2020 EN IEC 61000-3-2:2019 + A1:2021 + A2:2024/EN 61000-3-3:2013 + A1:2019 + A2:2021

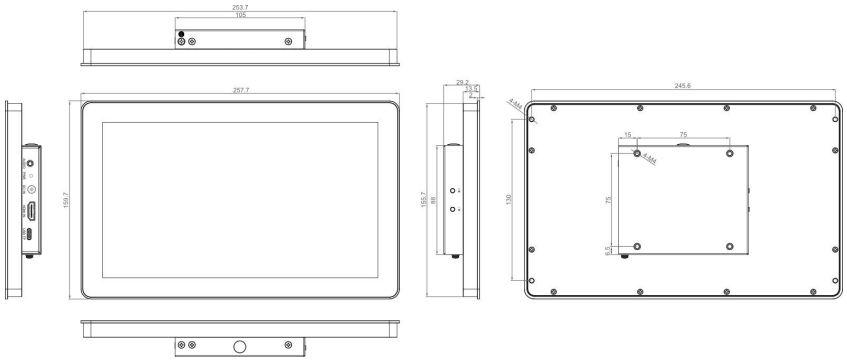
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System Diagram

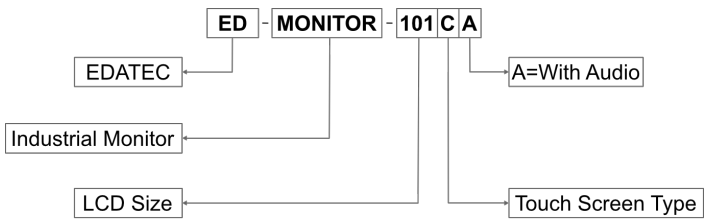


Dimensions

Unit: mm



Ordering Code

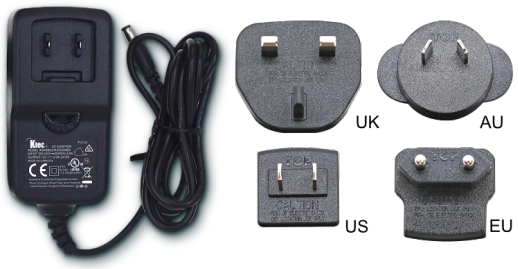


Example

P/N: **ED-MONITOR-101CA**
Configuration: 10.1-inch Industrial Touchscreen Monitor with audio.

Optional Accessory

You can choose a power adapter according to actual needs.

Model	Description	Picture
ED-PSU1202-UK	100~240VAC to 12VDC/2A Adapter, with UK AC plug, 5.5mm DC plug	
ED-PSU1202-US	100~240VAC to 12VDC/2A Adapter, with US AC plug, 5.5mm DC plug	
ED-PSU1202-AU	100~240VAC to 12VDC/2A Adapter, with AU AC plug, 5.5mm DC plug	
ED-PSU1202-EU		

Model	Description	Picture
	100~240VAC to 12VDC/2A Adapter, with EU AC plug, 5.5mm DC plug	
NOTE: Each model contains only one of the UK, US, AU and EU plugs.		

You can also choose HMI Mounting Kit for embedded front installation according to actual needs.

> TIP
>
> Standard Package doesn't include HMI Mounting Kit for embedded front installation. If you need to do an embedded installation, please purchase the HMI Mounting Kit (ED-ACCHMI-Front) separately.

Model	Description	Picture
ED-ACCHMI-Front	HMI Mounting Kit for Front Installation, with 4 x buckles, 4 x M4*10 screws and 4 x M4*16 screws.	

VESA mounting brackets are available as optional accessories depending on your specific requirements.

Model	Description	Picture
ED-VESA-A	VESA wall mount bracket for ED-MONITOR and ED-HMI series	
ED-VESA-B	Swivel VESA wall mount bracket for ED-MONITOR and ED-HMI series	
ED-VESA-C	VESA desk mount stand for ED-MONITOR and ED-HMI series	

Packing List

- 1 x ED-MONITOR-101C Monitor

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