

ED-MONITOR-156C

Datasheet

by EDA Technology Co., Ltd

built: 2026-08-13

ED-MONITOR-156C

15.6-inch 1080p Industrial Touchscreen Monitor

- 1920x1080 resolution, 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.
Volume Adjustment Button	2 x Volume adjustment buttons for increasing and decreasing the volume.
Mute Button	1 x Mute button for mute and unmute audio.

LCD	
Type	15.6" TFT
Resolution	1920 x 1080
Color Number	16.7M

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LCD	
Active Area	344.16mm (H) x 193.59mm (V)
Backlight	LED
Luminance	450cd/m^2
Contrast Ratio	1500:1
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

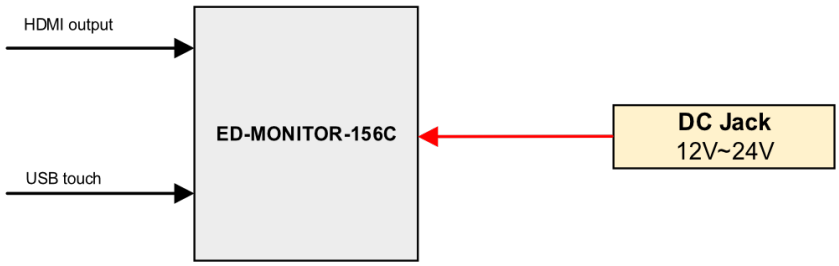
Electrical Characteristics	
Input Voltage	12V~24V DC
Power Consumption	15W (Max)

Mechanical Characteristics	
Dimensions	388.3mm x 238.3mm x 36mm (WxDxH)
Weight	About 2.3kg
Installation	Embedded front installation and VESA bracket mounting

Environmental & Regulatory	
Operating Temperature	-20°C ~ 50°C
Storage Temperature	-25°C ~ 60°C
Ambient humidity	5% ~ 95% (non-condensing)

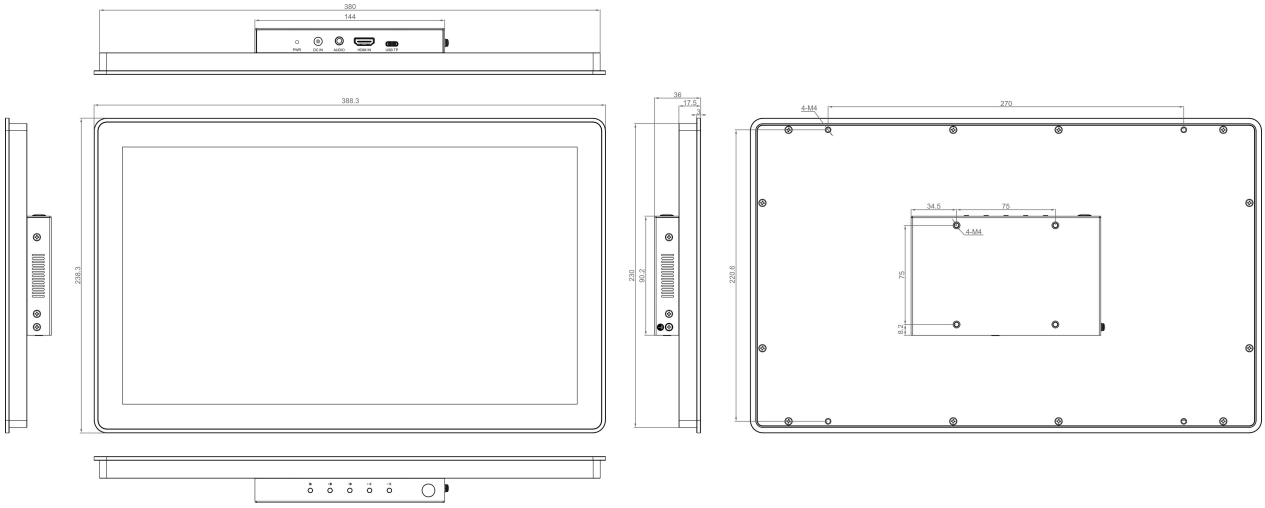
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System Diagram

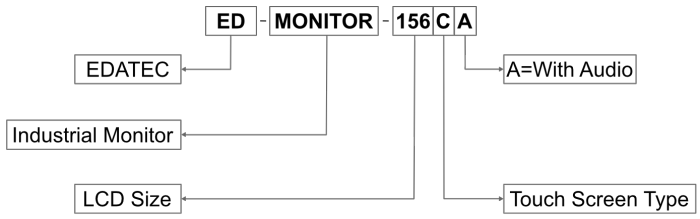


Dimensions

Unit: mm



Ordering Code



Example

P/N: **ED-MONITOR-156CA**
Configuration: 15.6-inch 1080p Industrial Touchscreen Monitor with audio.

Optional Accessory

You can choose a power adapter according to actual needs.

Model	Description	Picture
ED-PSU1204-UK	100~240VAC to 12VDC/4A adapter, equipped with UK standard AC plug and DC Jack plug	

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Model	Description	Picture
ED-PSU1204-US	100~240VAC to 12VDC/4A adapter, equipped with US standard AC plug and DC Jack plug	
ED-PSU1204-AU	100~240VAC to 12VDC/4A adapter, equipped with AU standard AC plug and DC Jack plug	
ED-PSU1204-EU	100~240VAC to 12VDC/4A adapter, equipped with EU standard AC plug and DC Jack plug	
Note: Each model includes only one type of AC plug (UK, US, AU, or EU).		

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-156C Monitor
- 1 x Mounting Kit (including 4 x buckles, 4xM4*10 screws and 4xM4*16 screws)

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