



# **ED-MONITOR-070C**

## Datasheet

by EDA Technology Co., Ltd

built: 2025-01-21

# ED-MONITOR-070C

## 7.0-inch Industrial Touchscreen Monitor

- 1024x600 resolution, up to 425cd/m<sup>2</sup> Luminance, multi-touch capacitive touch screen
- Standard HDMI port for direct connection to Raspberry Pi HDMI output
- Type-A USB port to connect to Raspberry Pi USB port for touch function without driver installation
- Optional stereo audio output, support headphone and speaker
- 12V power input on DC Jack connector
- Thin and light ccase with aluminum alloy frame and sheet metal housing
- Embedded installation



## Specifications

Panel I/O	
HDMI	1 x HDMI port, Type-A connector, connecting to HDMI output of Raspberry Pi 4 or Raspberry Pi 5.
USB	1 x Type-A USB port, connecting to the USB port of the Raspberry Pi 4 or Raspberry Pi 5 to transmit touchscreen signals.
Audio (optional)	1 x 3.5mm audio jack, stereo audio output
Power	1 x DC Jack port, support 12V power input.

Indicator	
PWR	1 x Red power indicator, using to check the status of device power-on and power-off.

LCD	
Type	7.0" TFT
Resolution	1024 x 600
Color Number	16.7M
Active Area	154.21mm (H) x 85.92mm (V)
Backlight	LED
Luminance	425cd/m <sup>2</sup>
Contrast Ratio	800:1
Response Time	30ms

LCD	
Viewing Angle (CR>10)	85° (L) / 85° (R) / 85° (U) / 85° (D)

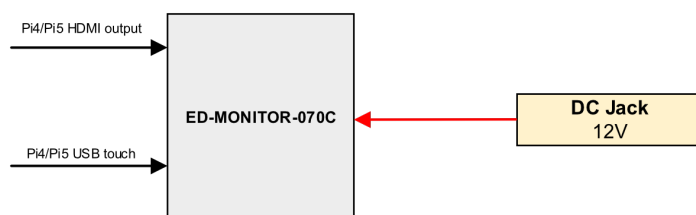
Touch Screen	
Type	Capacitive Touch Screen
Multi-touch	Up to 10 points
Communication Method	USB
Transmittance	≥85%
Surface Hardness	≥6H

Electrical Characteristics	
Input Voltage	12V DC (±10%)
Power Consumption	10W (Max)

Mechanical Characteristics	
Dimensions	188mm x 123mm x 20.8mm (WxDxH)
Weight	About 495g
Installation	Embedded front installation

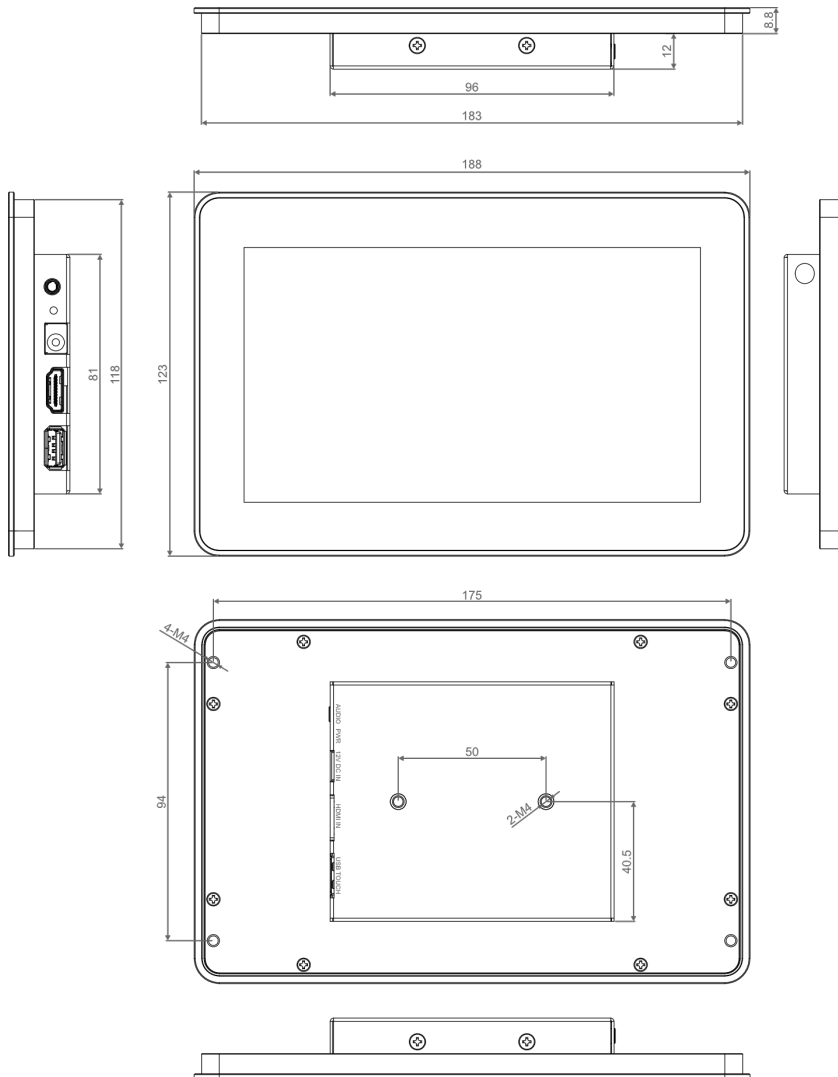
Environmental & Regulatory	
Operating Temperature	-20°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Ambient humidity	5% ~ 95% (non-condensing)

## System Diagram

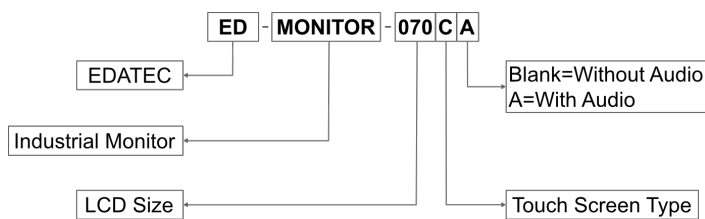


## Dimensions

Unit: mm



## Ordering Code



### Example

P/N: **ED-MONITOR-070CA**

Configuration: 7.0-inch Industrial Touchscreen Monitor with audio.

## Optional Accessory

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.	

## Packing List

- 1 x ED-MONITOR-070C Monitor