



ED-MONITOR-070C

Datasheet

by EDA Technology Co., Ltd

built: 2025-12-24

ED-MONITOR-070C

7.0-inch Industrial Touchscreen Monitor

- 1024x600 resolution, up to 425cd/m² 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, 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	7.0" TFT
Resolution	1024 x 600
Color Number	16.7M
Active Area	154.21mm (H) x 85.92mm (V)
Backlight	LED

LCD	
Luminance	425cd/m ²
Contrast Ratio	800:1
Response Time	30ms
Viewing Angle (CR>10)	85° (L) / 85° (R) / 85° (U) / 85° (D)

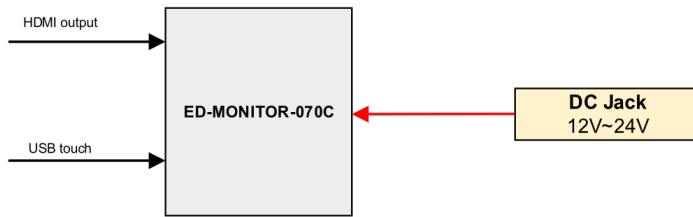
Touch Screen	
Type	Capacitive Touch Screen
Multi-touch	Up to 5 points
Communication Method	USB
Transmittance	≥85%
Surface Hardness	≥6H

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

Mechanical Characteristics	
Dimensions	188mm x 123mm x 24.5mm (WxDxH)
Weight	About 495g
Installation	Embedded front installation and VESA bracket mounting

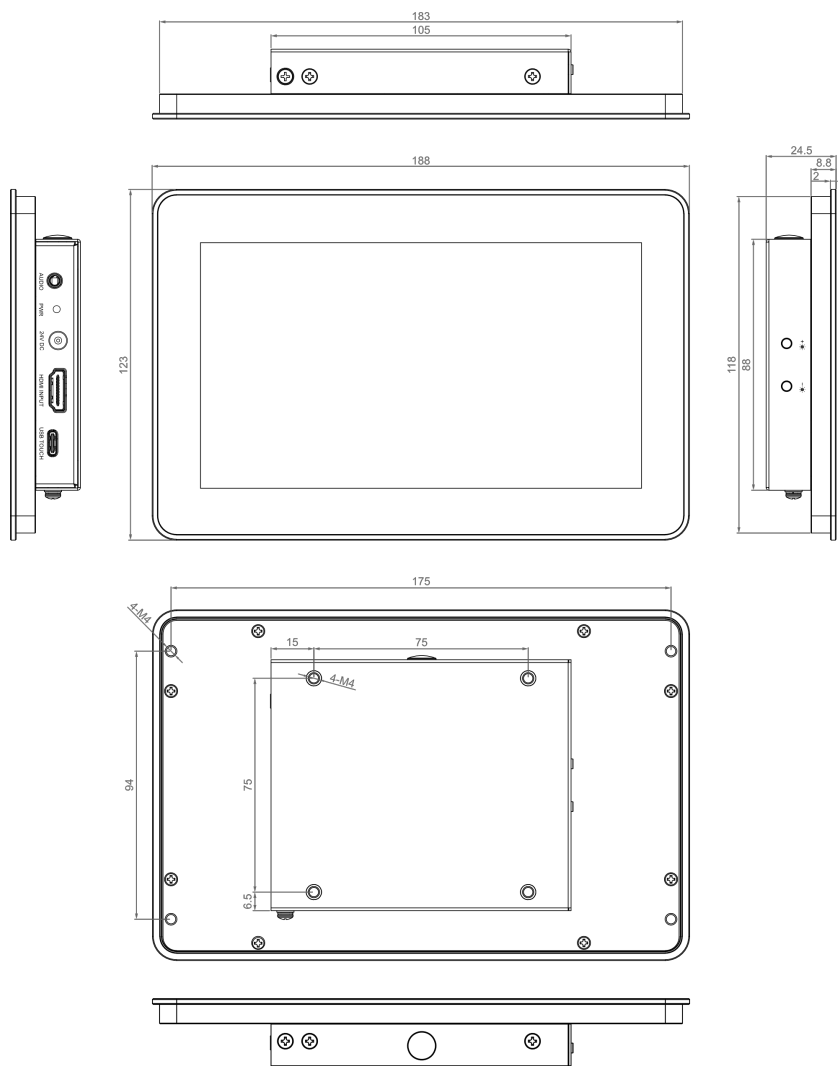
Environmental & Regulatory	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Ambient humidity	5% ~ 95% (non-condensing)
Certifications	<ul style="list-style-type: none"> • FCC <ul style="list-style-type: none"> ◦ FCC 47 CFR Part 15 Subpart B • CE <ul style="list-style-type: none"> ◦ 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

System Diagram

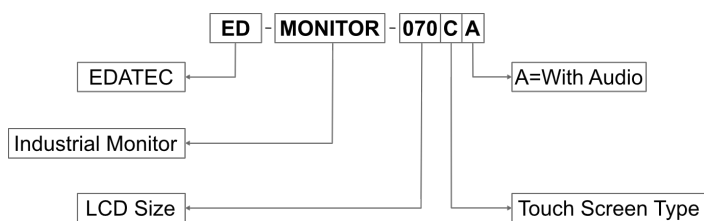


Dimensions

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