



ED-MONITOR-185C

Datasheet

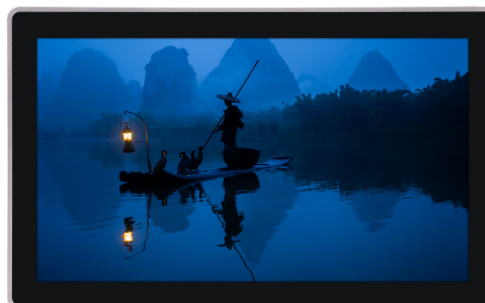
by EDA Technology Co., Ltd

built: 2025-05-13

ED-MONITOR-185C

18.5-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, 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	18.5" TFT
Resolution	1920 x 1080
Color Number	16.7M

LCD	
Active Area	408.96mm (H) x 230.04mm (V)
Backlight	LED
Luminance	290cd/m ²
Contrast Ratio	1000:1
Response Time	14ms
Viewing Angle (CR≥10)	80° (L) / 80° (R) / 80° (U) / 80° (D)

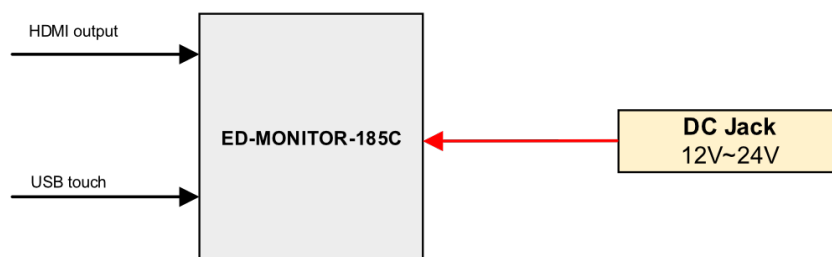
Touch Screen	
Type	Capacitive Touch Screen
multi-touch	Up to 5 points
Communication Method	USB
Transmittance	≥85%
Surface Hardness	≥6H

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

Mechanical Characteristics	
Dimensions	457.3mm x 278.3mm x 35mm (WxDxH)
Weight	About 3.1kg
Installation	Embedded front installation and VESA bracket mounting

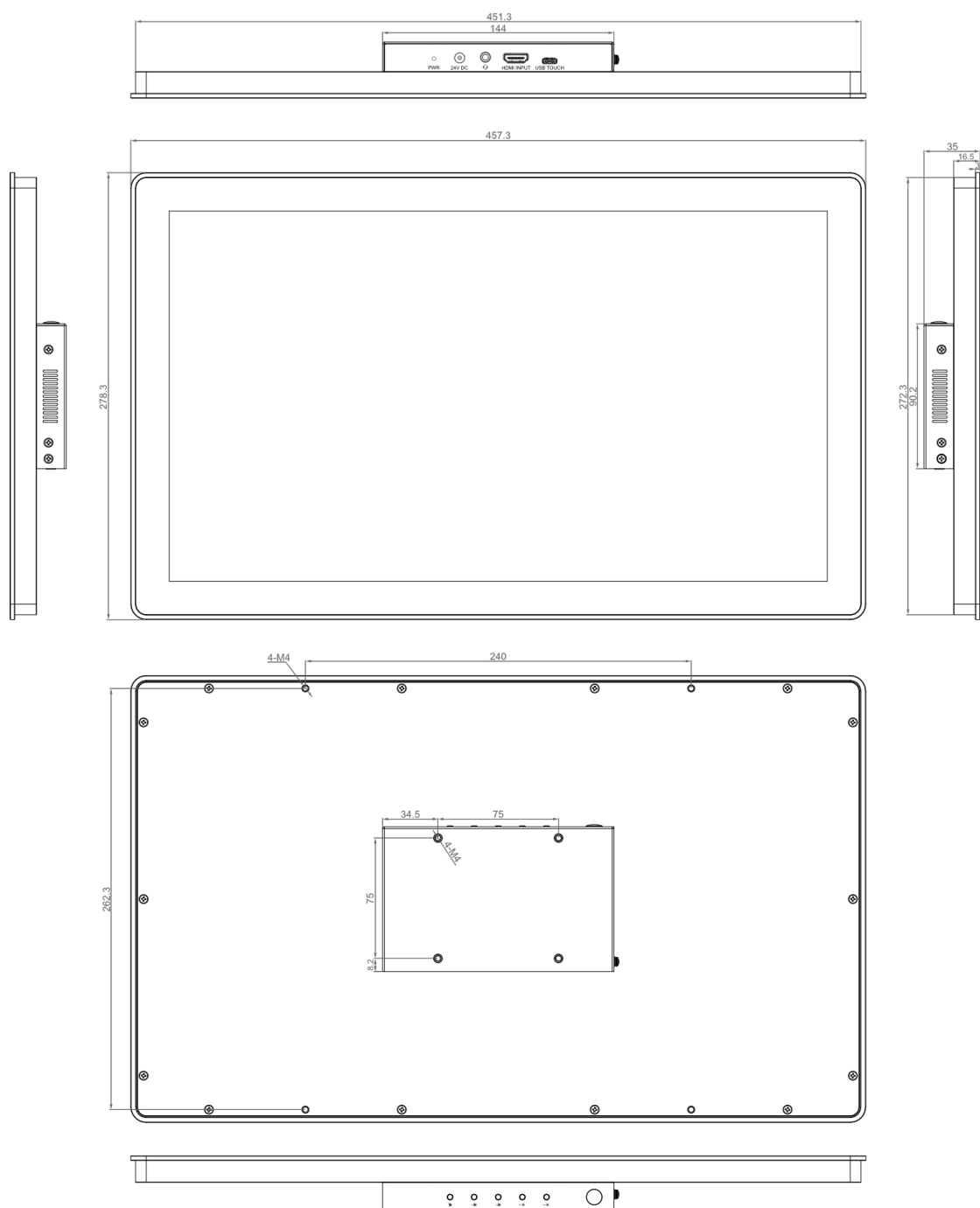
Environmental & Regulatory	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Ambient humidity	5% ~ 95% (non-condensing)

System Diagram

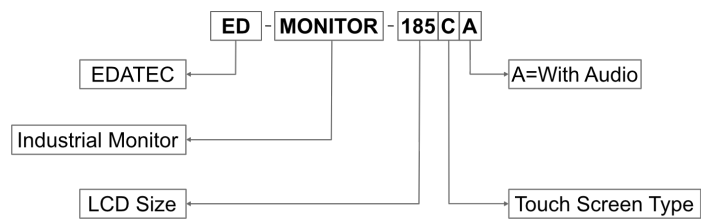


Dimensions

Unit: mm



Ordering Code



Example

P/N: **ED-MONITOR-185CA**

Configuration: 18.5-inch 1080p Industrial Touchscreen Monitor with audio.

Packing List

- 1 x ED-MONITOR-185C Monitor
- 1 x Mounting Kit (including 4 x buckles, 4xM4*10 screws and 4xM4*16 screws)