

# ED-MONITOR-185C

## Datasheet

by EDA Technology Co., Ltd

built: 2026-08-20

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

# 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 (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 | 18.5" TFT |
| Resolution | 1920 x 1080 |
| Color Number | 16.7M |

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

| 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 |

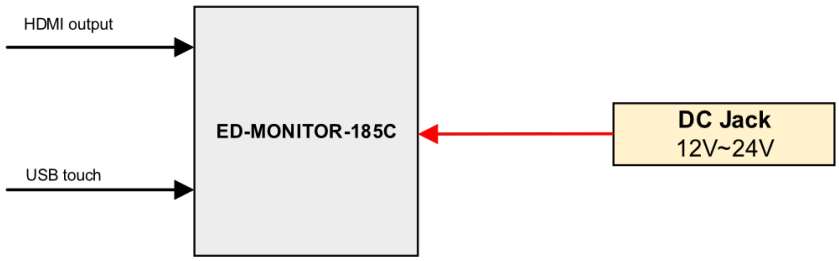
| Electrical Characteristics | |
|---|---|
| Input Voltage | 12V~24V DC |
| Power Consumption | 15W (Max) |

| 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 | -20°C ~ 50°C |
| Storage Temperature | -25°C ~ 60°C |
| Ambient humidity | 5% ~ 95% (non-condensing) |

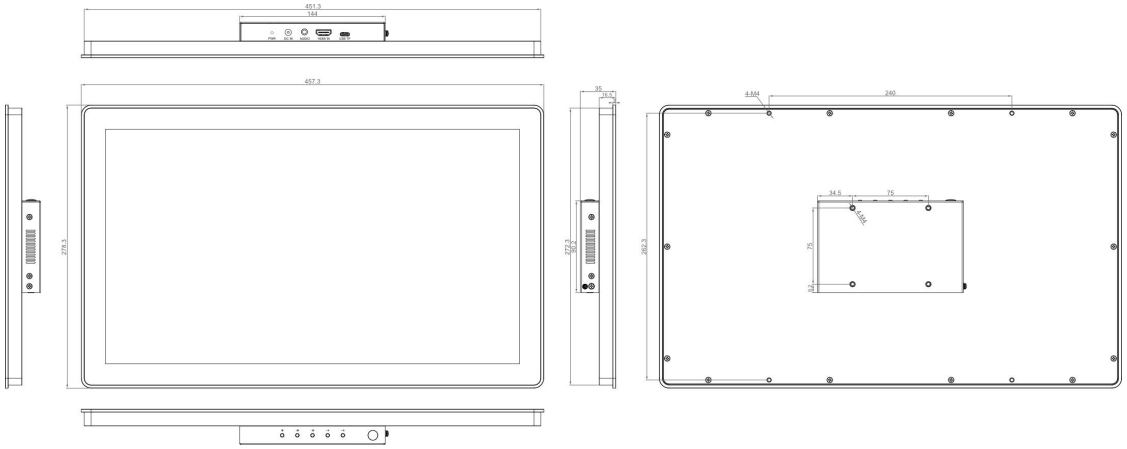
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

# System Diagram

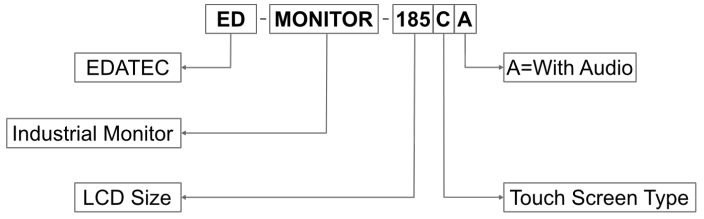



# Dimensions

Unit: mm



# Ordering Code




**Example**

P/N: **ED-MONITOR-185CA**
Configuration: 18.5-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 | |

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000