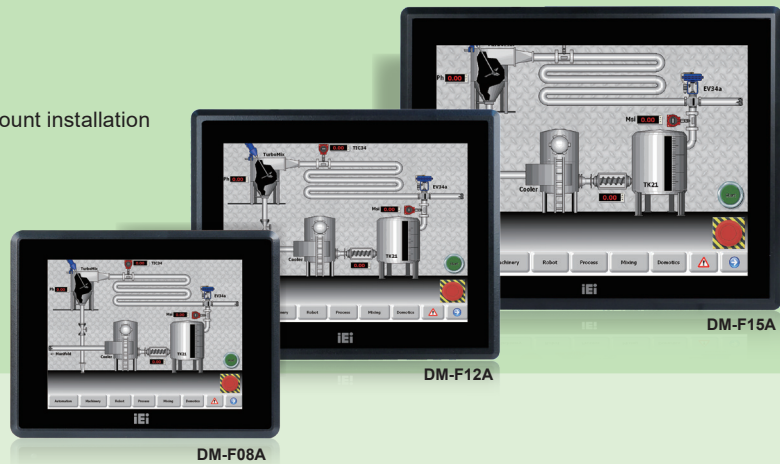


# Heavy Industrial Monitor

## 8"~15" DM-F IP65 Industrial Monitor

### Features

- Robust IP65 aluminum front bezel
- Aesthetic ultra-thin bezel for seamless panel mount installation
- DC input
- DVI / VGA flexible video input solution
- Resistive single touch
- Wide temperature support



### Specifications

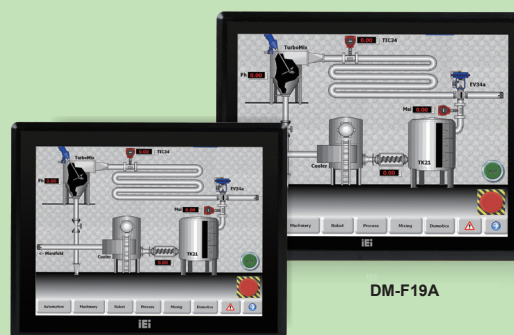
| Model                    |                                       | DM-F08A                                                                                                                        | DM-F12A                                                                                                                                                                                | DM-F15A                 |
|--------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| LCD                      | LCD Display                           | 8" (4:3)                                                                                                                       | 12.1" (4:3)                                                                                                                                                                            | 15" (4:3)               |
|                          | Max. Resolution                       | 800 x 600                                                                                                                      | 1024 (W) x 768 (H)                                                                                                                                                                     | 1024 (W) x 768 (H)      |
|                          | Brightness (cd/m²)                    | 500                                                                                                                            | 600                                                                                                                                                                                    | 500                     |
|                          | Contrast Ratio                        | 500:1                                                                                                                          | 700 : 1                                                                                                                                                                                | 800 : 1                 |
|                          | LCD Color                             | 262K                                                                                                                           | 16.2M                                                                                                                                                                                  | 16.2M                   |
|                          | Pixel Pitch (mm)                      | 0.0675 x 0.2025                                                                                                                | 0.24 x 0.24                                                                                                                                                                            | 0.29 x 0.29             |
|                          | Viewing Angle (H-V)                   | 140°/120°                                                                                                                      | 160° /140°                                                                                                                                                                             | 160° / 150°             |
|                          | Backlight MTBF (Hrs)                  | 50000                                                                                                                          | 50000                                                                                                                                                                                  | 70000                   |
| Touchscreen & Controller |                                       | 5-wire resistive single touch window/ Penmount 6000                                                                            | 5-wire resistive single touch window/ Penmount 6000 (Anti-glare Surface)<br>10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface)                  |                         |
| I/O Ports                |                                       | 1 x VGA (DB-15)<br>1 x DVI<br>1 x USB 2.0 (touch)<br>1 x RS-232 (reserved for resistive touch ATO)<br>1 x Lockable 12V DC jack | 1 x VGA (DB-15)<br>1 x HDMI<br>1 x DisplayPort 1.1<br>1 x USB 2.0 (touch)<br>1 x RS-232 (reserved for resistive touch ATO)<br>1 x Lockable 9V-36V DC jack<br>1 x 9V-36V terminal block |                         |
| OSD                      | OSD Button                            | 5-key membrane OSD keypad                                                                                                      | 7-key membrane OSD keypad                                                                                                                                                              |                         |
|                          | Smart OSD Software                    | Smart OSD Software                                                                                                             |                                                                                                                                                                                        |                         |
| Physical                 | Construction Material                 | Aluminum front frame and sheet metal rear cover                                                                                |                                                                                                                                                                                        |                         |
|                          | Mounting                              | Panel Mount/ Rack Mount<br>75 x 75 VESA Mount                                                                                  | Panel Mount/ Rack Mount<br>100 x 100 VESA Mount                                                                                                                                        |                         |
|                          | Enclosure Color                       | Black C                                                                                                                        |                                                                                                                                                                                        |                         |
|                          | Dimensions (mm)                       | 222.2 x 182.2 x 42.7                                                                                                           | 262.2 x 322.2 x 40.5                                                                                                                                                                   | 303 x 378.5 x 43.2      |
|                          | Cutout Dimensions (mm)                | 206 x 154                                                                                                                      | 244.8 x 304.8                                                                                                                                                                          | 285.6 x 361.1           |
|                          | Weight (kg) Net/Gross                 | 1.33 / 4.5                                                                                                                     | 2.7 / 4.9                                                                                                                                                                              | 3.5 / 5.5               |
| Environment              | Operating Temperature (with air flow) | -20°C ~ 60°C (with air flow)                                                                                                   |                                                                                                                                                                                        |                         |
|                          | Storage Temperature                   | -20°C ~ 70°C                                                                                                                   |                                                                                                                                                                                        |                         |
|                          | Humidity                              | 10% to 95% (non-condensing)                                                                                                    |                                                                                                                                                                                        |                         |
|                          | IP Level                              | IP 65 compliant front panel                                                                                                    |                                                                                                                                                                                        |                         |
|                          | Safety and EMC                        | CE & FCC certified                                                                                                             |                                                                                                                                                                                        |                         |
| Power Input              |                                       | 12V DC                                                                                                                         | 9V~36V DC                                                                                                                                                                              |                         |
| Power consumption        |                                       | 12V @ 0.5A                                                                                                                     | 9V @ 2.2A<br>36V @ 0.5A                                                                                                                                                                | 9V @ 1.6A<br>36V @ 0.4A |

# Heavy Industrial Monitor

## 17"~19" DM-F IP65 Industrial Monitor

### Features

- Robust IP65 aluminum front bezel
- Aesthetic ultra-thin bezel for seamless panel mount installation
- Wide range 9V~36V DC input
- HDMI / DisplayPort / VGA flexible video input solution
- Projected capacitive multi-touch and resistive single touch options
- Wide temperature support



DM-F17A

DM-F19A



### Specifications

| Model                    |                                       | DM-F17A                                                                                                                                                                                                                           | DM-F19A                 |
|--------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| LCD                      | LCD Display                           | 17" (5:4)                                                                                                                                                                                                                         | 19" (5:4)               |
|                          | Max. Resolution                       | 1280 (W) x 1024 (H)                                                                                                                                                                                                               | 1280 (W) x 1024 (H)     |
|                          | Brightness (cd/m <sup>2</sup> )       | 350                                                                                                                                                                                                                               | 350                     |
|                          | Contrast Ratio                        | 1000 : 1                                                                                                                                                                                                                          | 1000 : 1                |
|                          | LCD Color                             | 16.7M                                                                                                                                                                                                                             |                         |
|                          | Pixel Pitch (mm)                      | 0.26 x 0.26                                                                                                                                                                                                                       | 0.294 x 0.294           |
|                          | Viewing Angle (H-V)                   | 170° / 160°                                                                                                                                                                                                                       |                         |
|                          | Backlight MTBF (Hrs)                  | 50000                                                                                                                                                                                                                             |                         |
| Touchscreen & Controller |                                       | 5-wire resistive single touch window, 3H/Penmount 6000 (Anti-glare Surface)<br>10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface)                                                          |                         |
| I/O Ports                |                                       | 1 x VGA (DB-15)<br>1 x DVI (F19A only)<br>1 x HDMI (F17A & FW19A only)<br>1 x DisplayPort 1.1<br>1 x USB 2.0 (touch)<br>1 x RS-232 (reserved for resistive touch ATO)<br>1 x Lockable 9V-36V DC jack<br>1 x 9V-36V terminal block |                         |
| OSD                      | OSD Button                            | 7-key membrane OSD keypad                                                                                                                                                                                                         |                         |
|                          | Smart OSD Software                    | Smart OSD Software                                                                                                                                                                                                                |                         |
| Physical                 | Construction Material                 | Aluminum front frame and sheet metal rear cover                                                                                                                                                                                   |                         |
|                          | Mounting                              | Panel Mount/ Rack Mount<br>100 x 100 VESA Mount                                                                                                                                                                                   |                         |
|                          | Enclosure Color                       | Black C                                                                                                                                                                                                                           |                         |
|                          | Dimensions (mm)                       | 341.4 x 408.4 x 49.3                                                                                                                                                                                                              | 372.4 x 447.4 x 49.57   |
|                          | Cutout Dimensions (mm)                | 324 x 391                                                                                                                                                                                                                         | 430 x 355               |
|                          | Weight (kg) Net/Gross                 | 4.4 / 7.1                                                                                                                                                                                                                         | 5.4 / 8.4               |
| Environment              | Operating Temperature (with air flow) | -20°C ~ 60°C (with air flow)                                                                                                                                                                                                      |                         |
|                          | Storage Temperature                   | -20°C ~ 70°C                                                                                                                                                                                                                      | -20°C ~ 70°C            |
|                          | Humidity                              | 10% to 95% (non-condensing)                                                                                                                                                                                                       |                         |
|                          | IP Level                              | IP 65 compliant front panel                                                                                                                                                                                                       |                         |
|                          | Safety and EMC                        | CE & FCC certified                                                                                                                                                                                                                |                         |
| Power input              |                                       | 9V~36V DC                                                                                                                                                                                                                         |                         |
| Power consumption        |                                       | 9V @ 2.6A<br>36V @ 0.6A                                                                                                                                                                                                           | 9V @ 3.3A<br>36V @ 0.8A |

## Ordering Information

| Part No.       | Description                                                                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DM-F08A/R-R21  | 8" 500 cd/m <sup>2</sup> SVGA LCD monitor, Aluminum front panel, Black color, W/ USB resistive touch screen, 12V DC input, Powder paint, R21                            |
| DM-F12A/R-R31  | 12" 600 cd/m <sup>2</sup> XGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB resistive touch screen, 9 ~36V DC input, Powder paint, R31             |
| DM-F12A/PC-R32 | 12" 600 cd/m <sup>2</sup> XGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB projected capacitive touch screen, 9 ~36V DC input, Powder paint, R32  |
| DM-F15A/R-R42  | 15" 450 cd/m <sup>2</sup> XGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB resistive touch screen, 9 ~36V DC input, Powder paint, R42             |
| DM-F17A/R-R32  | 17" 350 cd/m <sup>2</sup> SXGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB resistive touch screen, 9 ~36V DC input, Powder paint, R32            |
| DM-F17A/PC-R32 | 17" 350 cd/m <sup>2</sup> SXGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB projected capacitive touch screen, 9 ~36V DC input, Powder paint, R32 |
| DM-F19A/R-R31  | 19" 350 cd/m <sup>2</sup> SXGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB resistive touch screen, 9 ~36V DC input, Powder paint, R31            |

\* The DM-F15A/PC, DM-FW15A/PC, DM-F19A/PC, DM-FW19A/PC, DM-F22A/PC and DM-F24A/PC Series products have achieved EOL.

## Options

| Item                   | DM-F08A         | DM-F12A             | DM-F15A         | DM-F17A         | DM-F19A           |
|------------------------|-----------------|---------------------|-----------------|-----------------|-------------------|
| Stand                  | STAND-C12-R10   | STAND-C12-R10       | STAND-C19-R10   |                 |                   |
| Wall Mount Kit         | AFLWK-12        | AFLWK-19B           |                 |                 |                   |
| Panel Mount Kit        | FPK-07-R10      | FPK-01-R10          |                 |                 | FPK-02-R10        |
| Rack Mount Kit         | N/A             | FRK12-R11           | FRK15-R11       | FRK17-R11       | FRK19D-R11        |
| RS-232 Touch Cable Kit | DM-F-COMKIT-R10 | DM-F-COMKIT-R10     | DM-F-COMKIT-R10 | DM-F-COMKIT-R10 | DM-F-COMKIT01-R10 |
| Power Adapter          | N/A             | 63040-010060-211-RS |                 |                 |                   |

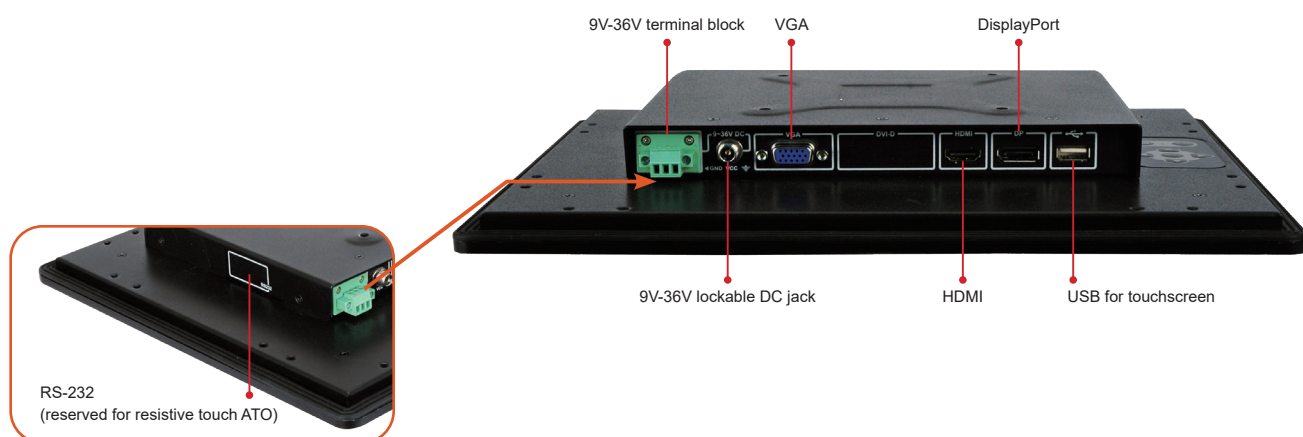
## Packing List

| Item          | P/N                                  | Q'ty | Remark          |
|---------------|--------------------------------------|------|-----------------|
| USB Cable     | 32001-006100-200-RS                  | 1    | For touchscreen |
| VGA Cable     | 32000-036200-RS                      | 1    |                 |
| Power Adapter | 63040-010036-210-RS<br>(for DM-F08A) |      |                 |

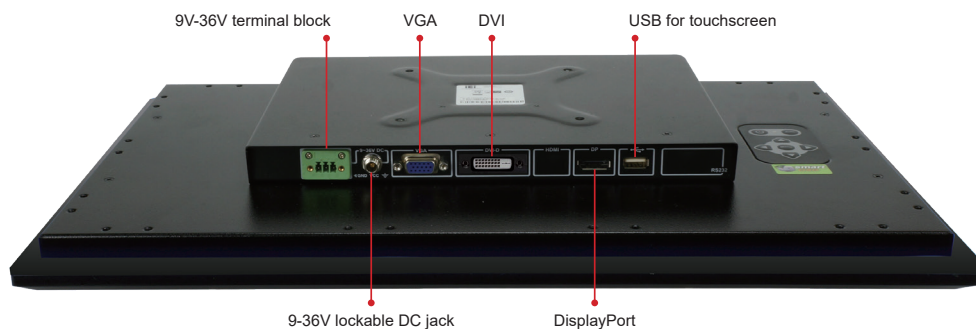
**DM-F08A**  
*Fully Integrated I/O*



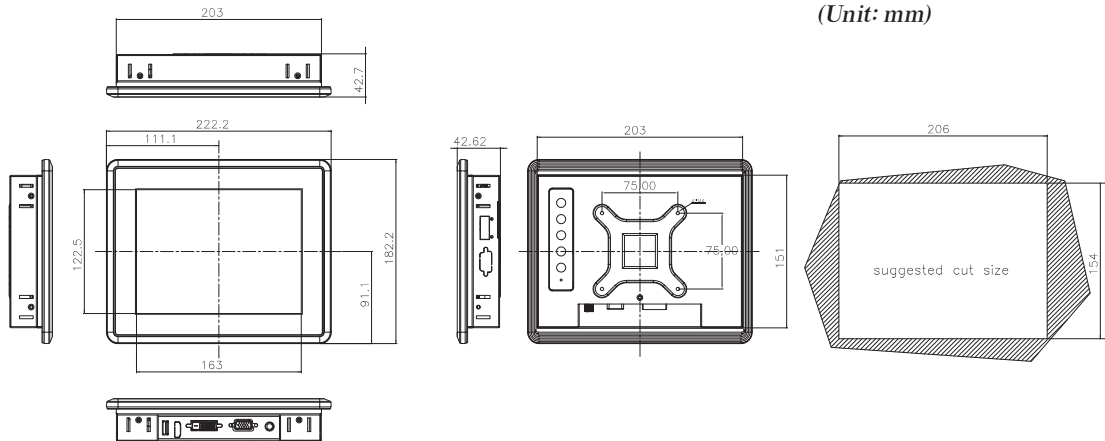
**DM-F12A/F15A/F17A**  
*Fully Integrated I/O*



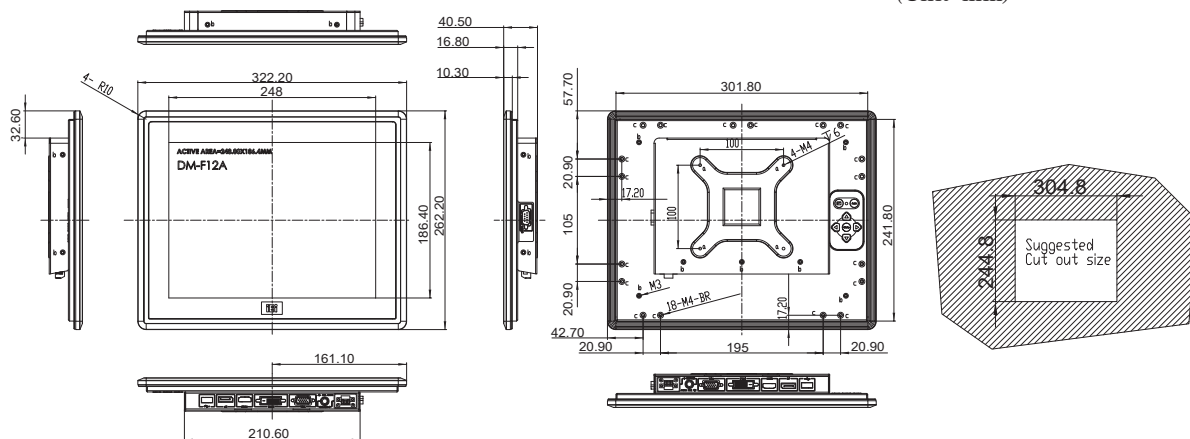
**DM-F19A**  
*Fully Integrated I/O*



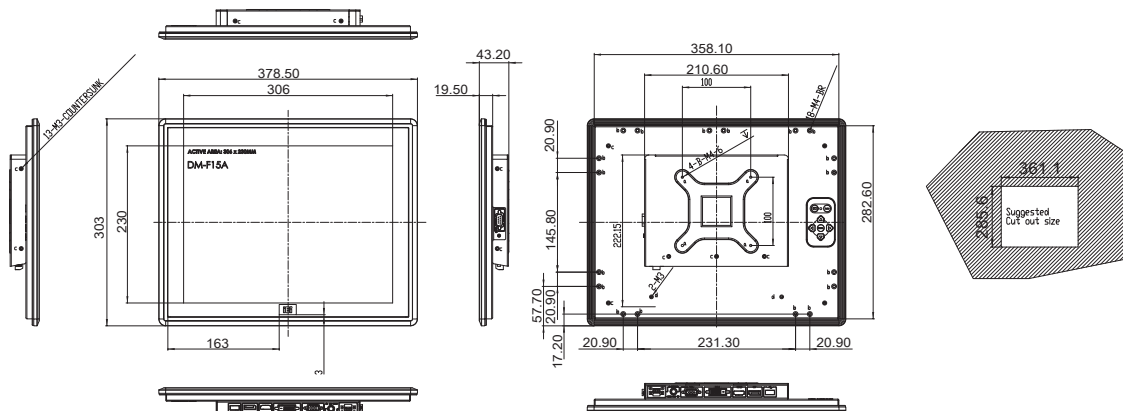
### DM-F08A Dimensions (Unit: mm)



### DM-F12A Dimensions (Unit: mm)

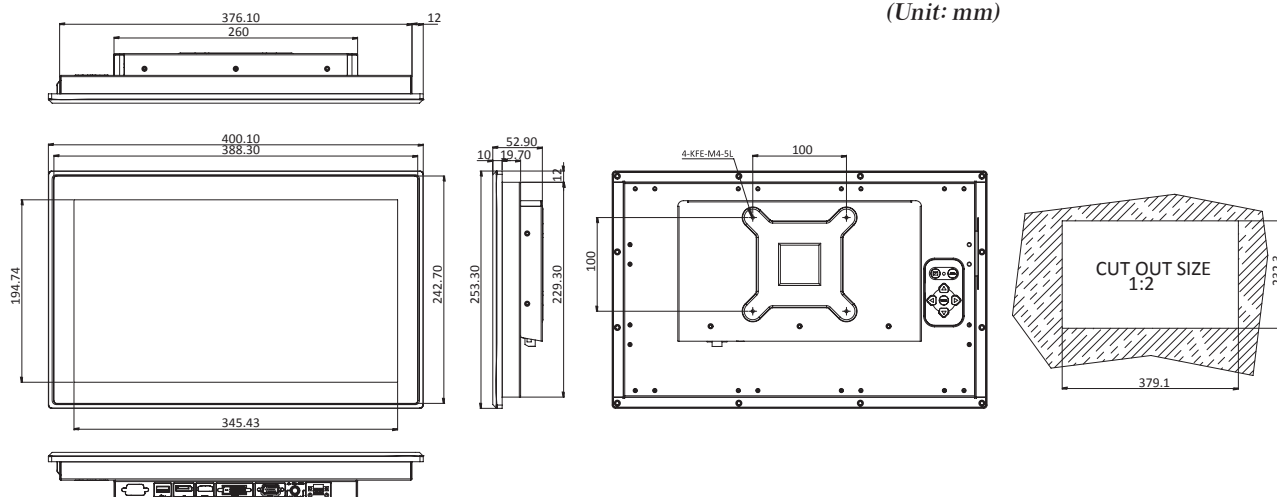


### DM-F15A Dimensions (Unit: mm)



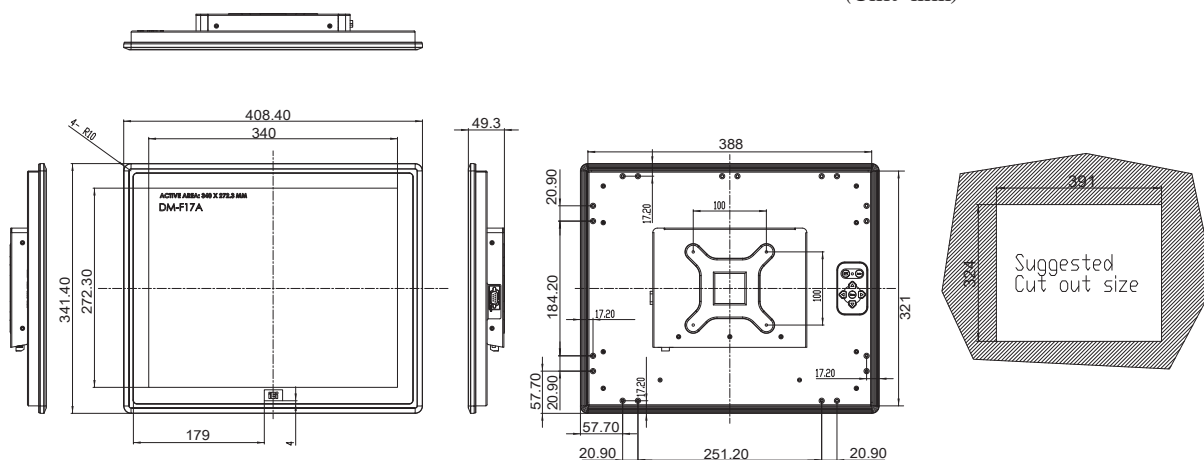
## DM-FW15A Dimensions

(Unit: mm)



## DM-F17A Dimensions

(Unit: mm)



## DM-F19A Dimensions

(Unit: mm)

