

# Heavy Industrial Monitor

## 6.5"~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

**New**

**New**

| Model                    |                                       | DM-F65A                                                                                                                        | DM-F08A              | DM-F12A                                                                                                                                                                                | DM-F15A                 |
|--------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| LCD                      | LCD Display                           | 6.5" (4:3)                                                                                                                     | 8" (4:3)             | 12" (4:3)                                                                                                                                                                              | 15" (4:3)               |
|                          | Max. Resolution                       | 640 (W) x 480 (H)                                                                                                              | 800 x 600            | 1024 (W) x 768 (H)                                                                                                                                                                     | 1024 (W) x 768 (H)      |
|                          | Brightness (cd/m²)                    | 800                                                                                                                            | 500                  | 600                                                                                                                                                                                    | 450                     |
|                          | Contrast Ratio                        | 600:1                                                                                                                          | 500:1                | 700 : 1                                                                                                                                                                                | 800 : 1                 |
|                          | LCD Color                             | 16.2M                                                                                                                          | 262K                 | 16.2M                                                                                                                                                                                  | 16.2M                   |
|                          | Pixel Pitch (mm)                      | 0.207 x 0.207                                                                                                                  | 0.0675 x 0.2025      | 0.24 x 0.24                                                                                                                                                                            | 0.29 x 0.29             |
|                          | Viewing Angle (H-V)                   | 160° / 140°                                                                                                                    | 140°/120°            | 160° /140°                                                                                                                                                                             | 160° / 150°             |
|                          | Backlight MTBF (Hrs)                  | 50000                                                                                                                          | 50000                | 50000                                                                                                                                                                                  | 70000                   |
| Touchscreen & Controller |                                       | 5-wire resistive single touch window/ Penmount 6000                                                                            |                      | 5-wire resistive single touch window/ Penmount 6000<br>2-point projected capacitive touch window/ EETI EXC7200                                                                         |                         |
| 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/ 100 x 100 VESA Mount                                                                                                                                          |                         |
|                          | Enclosure Color                       | Black C                                                                                                                        |                      |                                                                                                                                                                                        |                         |
|                          | Dimensions (mm)                       | 191.8 x 154.36 x 42.88                                                                                                         | 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)                | 180 x 140                                                                                                                      | 206 x 154            | 244.8 x 304.8                                                                                                                                                                          | 285.6 x 361.1           |
|                          | Weight (kg) Net/Gross                 | 1.1 / 2.6                                                                                                                      | 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)                                                                                                   |                      | -20°C ~ 60°C                                                                                                                                                                           |                         |
|                          | 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                                                                                                                     | 12V @ 0.5A           | 9V @ 2.2A<br>36V @ 0.5A                                                                                                                                                                | 9V @ 1.6A<br>36V @ 0.4A |

# Heavy Industrial Monitor

## 17"~24" 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



### Specifications

**New**

| Model                    |                                       | DM-F17A                                                                                                                                                                                                                   | DM-F19A                               | DM-F22A                                                                                                                                                                                | DM-F24A                                                         |
|--------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| LCD                      | LCD Display                           | 17" (5:4)                                                                                                                                                                                                                 | 19" (5:4)                             | 21.5" (16:9)                                                                                                                                                                           | 24" (16:9)                                                      |
|                          | Max. Resolution                       | 1280 (W) x 1024 (H)                                                                                                                                                                                                       | 1280 (W) x 1024 (H)                   | 1920 (W) x 1080 (H)                                                                                                                                                                    | 1920 (W) x 1080 (H)                                             |
|                          | Brightness (cd/m²)                    | 350                                                                                                                                                                                                                       | 350                                   | 250                                                                                                                                                                                    | 250                                                             |
|                          | Contrast Ratio                        | 1000 : 1                                                                                                                                                                                                                  | 1000 : 1                              | 1000 : 1                                                                                                                                                                               | 3000 : 1                                                        |
|                          | LCD Color                             | 16.7M                                                                                                                                                                                                                     | 16.7M                                 | 16.7M                                                                                                                                                                                  | 16.7M                                                           |
|                          | Pixel Pitch (mm)                      | 0.26 x 0.26                                                                                                                                                                                                               | 0.294 x 0.294                         | 0.25 x 0.25                                                                                                                                                                            | 0.28 x 0.28                                                     |
|                          | Viewing Angle (H-V)                   | 170° / 160°                                                                                                                                                                                                               | 170° / 160°                           | 170° / 160°                                                                                                                                                                            | 178° / 178°                                                     |
|                          | Backlight MTBF (Hrs)                  | 50000                                                                                                                                                                                                                     | 50000                                 | 30000                                                                                                                                                                                  | 30000                                                           |
| Touchscreen & Controller |                                       | 5-wire resistive single touch window/ Penmount 6000<br>2-point projected capacitive touch window/ EETI EXC7200                                                                                                            |                                       | 2-point projected capacitive touch window/ EETI EXC7200                                                                                                                                | 2-point projected capacitive 2-point touch window/ EETI EXC7200 |
| I/O Ports                |                                       | 1 x VGA (DB-15)<br>1 x DVI (F19A only)<br>1 x HDMI (F17A 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 |                                       | 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                            | 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                                                                                                                                                                          | Panel Mount<br>/ 100 x 100 VESA Mount | Panel Mount<br>/ 100 x 100 VESA Mount                                                                                                                                                  | Panel 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                 | 358.4 x 550.4 x 49.1                                                                                                                                                                   | 382 x 600 x 49.4                                                |
|                          | Cutout Dimensions (mm)                | 324 x 391                                                                                                                                                                                                                 | 430 x 355                             | 340 x 532                                                                                                                                                                              | 358.6 x 576.6                                                   |
|                          | Weight (kg) Net/<br>Gross             | 4.4 / 7.1                                                                                                                                                                                                                 | 5.4 /8.4                              | 6.3 / 9.6                                                                                                                                                                              | 7.6 / 10.9                                                      |
| Environment              | Operating Temperature (with air flow) | -20°C ~ 60°C                                                                                                                                                                                                              |                                       | -10°C ~ 50°C                                                                                                                                                                           | -10°C ~ 50°C                                                    |
|                          | Storage Temperature                   | -20°C ~ 70°C                                                                                                                                                                                                              |                                       | -20°C ~ 60°C                                                                                                                                                                           | -20°C ~ 60°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               | 9V @ 2.5A<br>36V @ 0.6A                                                                                                                                                                | 9V @ 3.4A<br>36V @ 0.8A                                         |

## Ordering Information

|              | PN             | Description                                                                                                                                              |
|--------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>6.5"</b>  | DM-F65A/R-R10  | 6.5" 800 cd/m <sup>2</sup> high-luminance VGA LCD monitor with aluminum die casting front panel, black color, USB resistive touchscreen, R10             |
| <b>8"</b>    | DM-F08A/R-R10  | 8" 500 cd/m <sup>2</sup> SVGA LCD monitor, Aluminum front panel, Black color, W/ USB resistive touch screen, 12V DC input, R10                           |
| <b>12"</b>   | DM-F12A/R-R11  | 12" 600 cd/m <sup>2</sup> XGA LCD monitor, aluminum front panel, black color, W/ USB resistive touchscreen, 9 ~36V DC input, R11                         |
|              | DM-F12A/PC-R11 | 12" 600 cd/m <sup>2</sup> XGA LCD monitor, aluminum front panel, black color, W/ USB projected capacitive touchscreen, 9 ~36V DC input, R11              |
| <b>15"</b>   | DM-F15A/R-R20  | 15" 450 cd/m <sup>2</sup> XGA LCD monitor, Aaluminum front panel, black color, W/ USB resistive touchscreen, 9 ~36V DC input, R20                        |
|              | DM-F15A/PC-R20 | 15" 450 cd/m <sup>2</sup> XGA LCD monitor, aluminum front panel, black color, W/ USB projected capacitive touchscreen, 9 ~36V DC input, R20              |
| <b>17"</b>   | DM-F17A/R-R11  | 17" 350 cd/m <sup>2</sup> SXGA LCD monitor, aluminum front panel, black color, W/ USB resistive touchscrenn, 9 ~36V DC input, R11                        |
|              | DM-F17A/PC-R11 | 17" 350 cd/m <sup>2</sup> SXGA LCD monitor, aluminum front panel, black color, W/ USB projected capacitive touchscreen, 9 ~36V DC input, R11             |
| <b>19"</b>   | DM-F19A/R-R10  | 19" 350 cd/m <sup>2</sup> SXGA LCD monitor, aluminum die casting front panel, black color, W/ USB resistive touchscreen, 9 ~36V DC input, R10            |
|              | DM-F19A/PC-R10 | 19" 350 cd/m <sup>2</sup> SXGA LCD monitor, aluminum die casting front panel, black color, W/ USB projected capacitive touchscreen, 9 ~36V DC input, R10 |
| <b>21.5"</b> | DM-F22A/PC-R11 | 21.5" 250 cd/m <sup>2</sup> FHD LCD monitor, aluminum front panel, black color, W/ USB projected capacitive touchscreen, 9 ~36V DC input, R11            |
| <b>24"</b>   | DM-F24A/PC-R10 | 24" 250 cd/m <sup>2</sup> FHD LCD monitor, aluminum front panel, black color, W/ USB projected capacitive touchscreen, 9 ~36V DC input, R10              |

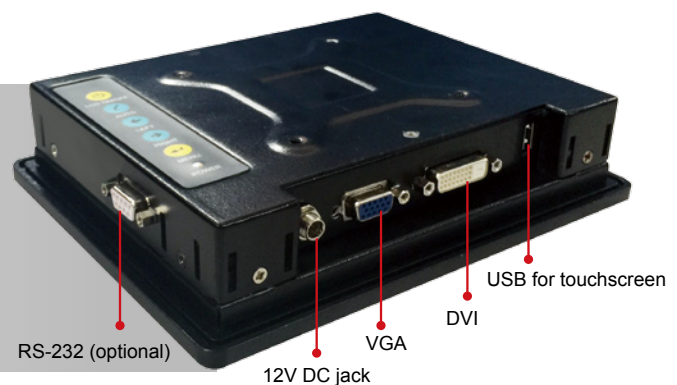
## Options

| Item                   | DM-F65A         | DM-F08A   | DM-F12A                       | DM-F15A                                        | DM-F17A                                        | DM-F19A                                        | DM-F22A                                        | DM-F24A                                        |
|------------------------|-----------------|-----------|-------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Arm                    | ARM-11-RS       |           | ARM-11-RS                     | ARM-31-RS                                      | ARM-31-RS                                      | ARM-31-RS                                      | ARM-31-RS                                      | ARM-31-RS                                      |
| Stand                  | STAND-B08       |           | STAND-A12-RS<br>STAND-C12-R10 | STAND-A19-RS<br>STAND-C19-R10<br>STAND-A21-R10 | STAND-A19-RS<br>STAND-C19-R10<br>STAND-A21-R10 | STAND-A19-RS<br>STAND-C19-R10<br>STAND-A21-R10 | STAND-A19-RS<br>STAND-C19-R10<br>STAND-A21-R10 | STAND-A19-RS<br>STAND-C19-R10<br>STAND-A21-R10 |
| Wall Mount Kit         | AFLWK-12        |           | WK-190MS-R10                  |                                                |                                                |                                                |                                                |                                                |
| Panel Mount Kit        | FPK-04-R10      |           | FPK-01-R10                    | FPK-01-R10                                     | FPK-01-R10                                     | FPK-02-R10                                     | FPK-02-R10                                     | FPK-03-R10                                     |
| Rack Mount Kit         | FRK65-R10       | FRK08-R10 | FRK12-R10                     | FRK15-R10                                      | FRK17-R10                                      | FRK19-R10                                      | N/A                                            | N/A                                            |
| Cable Cover            | N/A             | N/A       | N/A                           | DM-F-CC01-R10                                  | DM-F-CC01-R10                                  | DM-F-CC02-R10                                  | DM-F-CC02-R10                                  | DM-F-CC02-R10                                  |
| RS-232 Touch Cable Kit | DM-F-COMKIT-R10 |           |                               |                                                |                                                |                                                | N/A                                            | N/A                                            |
| HDMI Cable             | N/A             |           | 32012-000100-200-RS           | 32012-000100-200-RS                            | 32012-000100-200-RS                            | N/A                                            | 32012-000100-200-RS                            | 32012-000100-200-RS                            |
| DisplayPort Cable      | N/A             |           | 32004-000200-100-RS           |                                                |                                                |                                                |                                                |                                                |
| DVI Cable              | 32000-086600-RS |           | N/A                           | N/A                                            | N/A                                            | 32200-086600-RS                                | N/A                                            | N/A                                            |
| Power Adapter          | N/A             |           | 63040-010060-120-RS           |                                                |                                                |                                                |                                                |                                                |

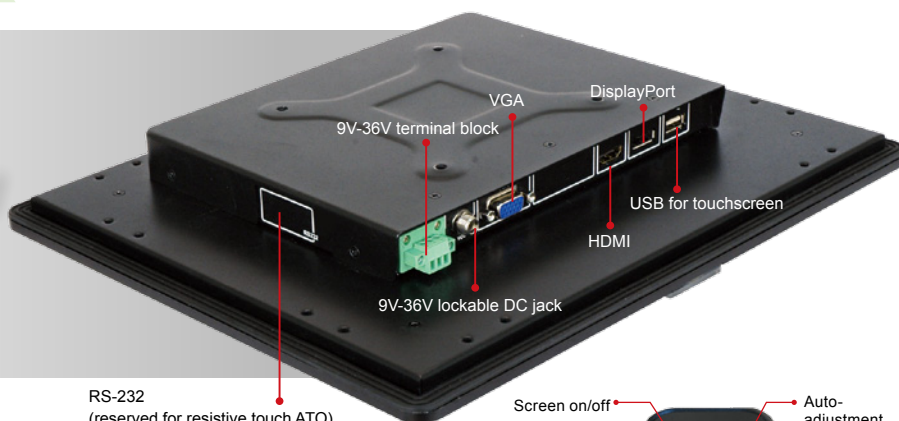
## Packing List

| Item          | P/N                                                           | Q'ty | Description             |
|---------------|---------------------------------------------------------------|------|-------------------------|
| Utility CD    |                                                               | 1    | Drivers and user manual |
| Touch Pen     | 43125-0002C0-00-RS<br>(DM-F65A/F08A/F12A/F15A/F17A/F19A only) | 1    | Resistive touch only    |
| USB Cable     | 32001-006100-100-RS                                           | 1    | For touchscreen         |
| VGA Cable     | 32000-036200-RS                                               | 1    |                         |
| Power Adapter | 63040-010036-121-RS<br>(for DM-F65/08A)                       |      |                         |

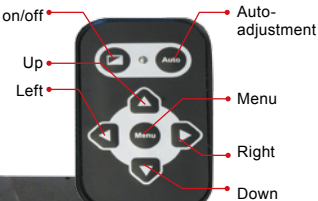
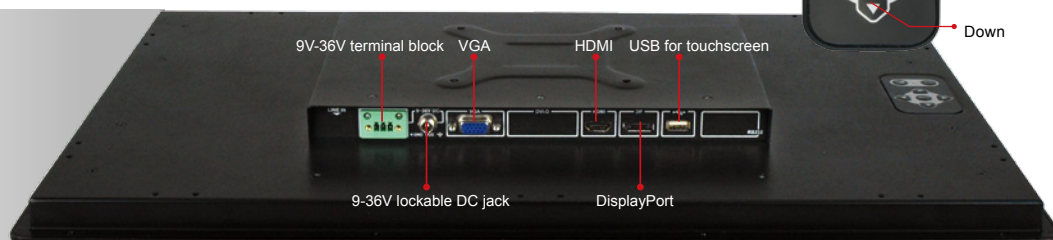
# DM-F65A/08A



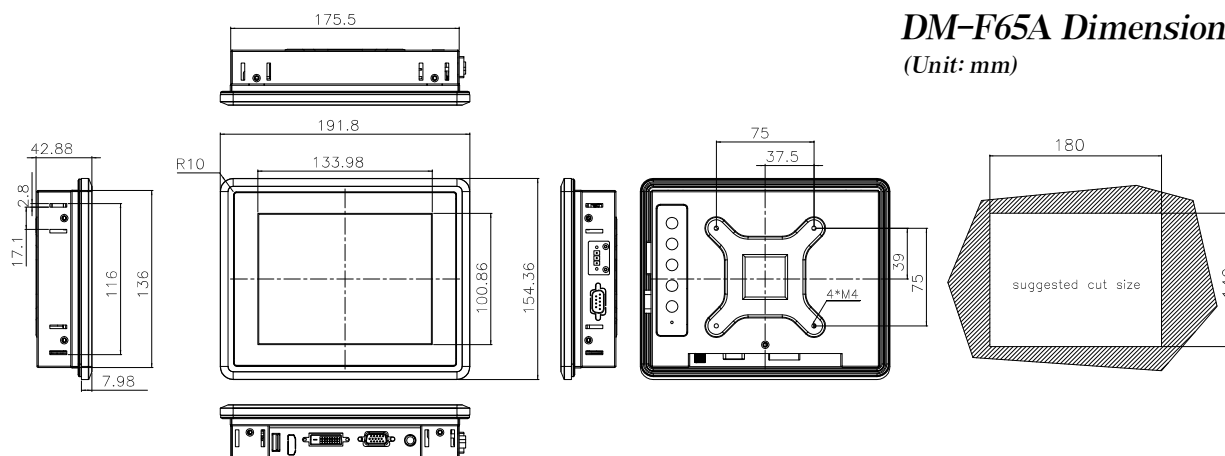
# DM-F12A/F15A/ F17A/F19A



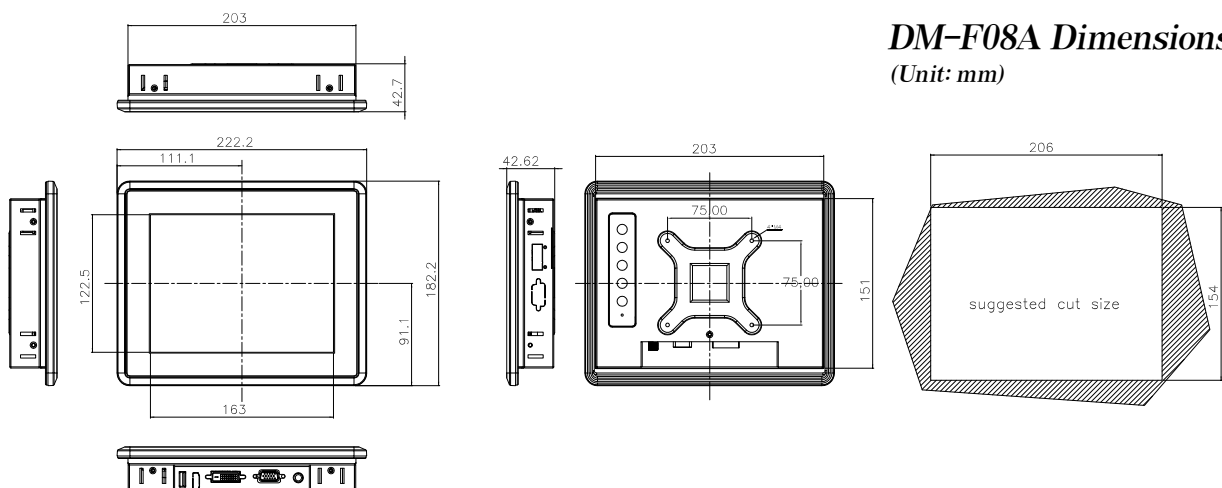
# DM-F22A/ F24A



## DM-F65A Dimensions (Unit: mm)

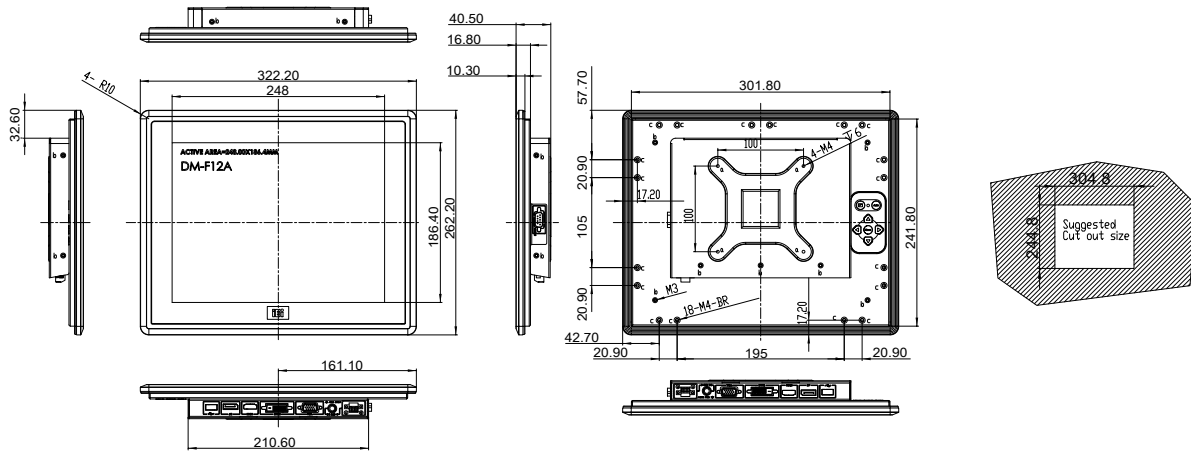


## DM-F08A Dimensions (Unit: mm)



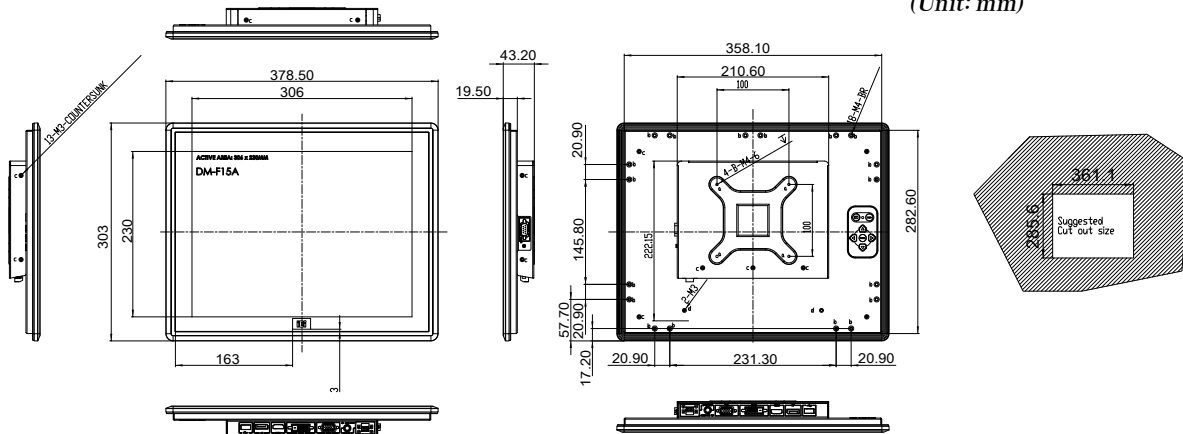
## DM-F12A Dimensions

(Unit: mm)



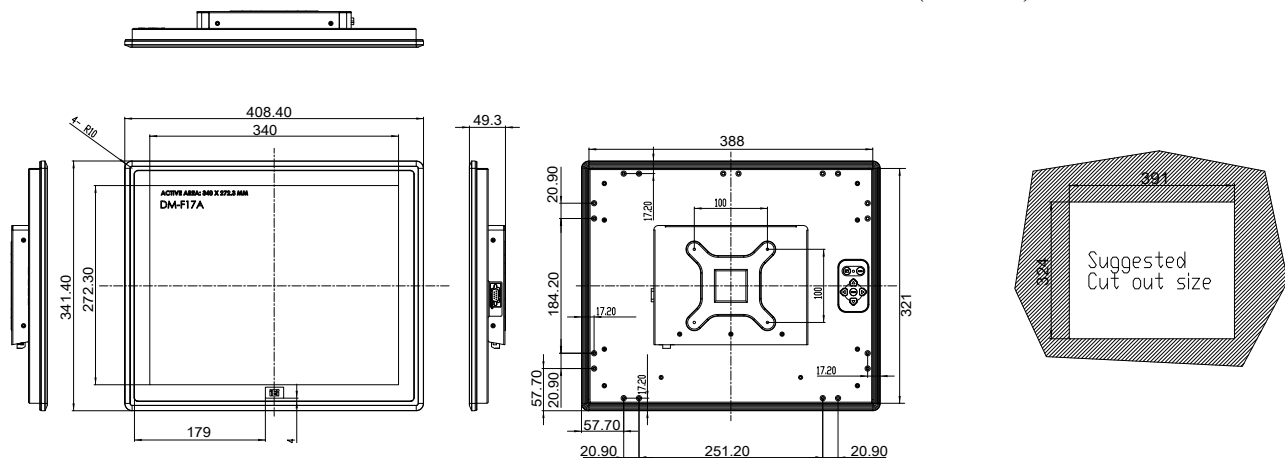
## DM-F15A Dimensions

(Unit: mm)



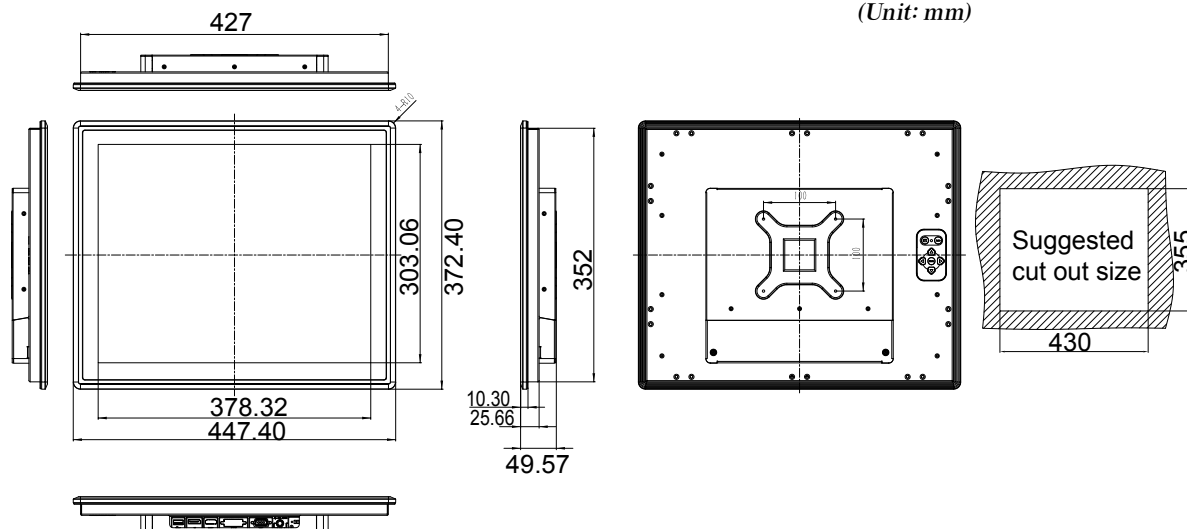
## DM-F17A Dimensions

(Unit: mm)



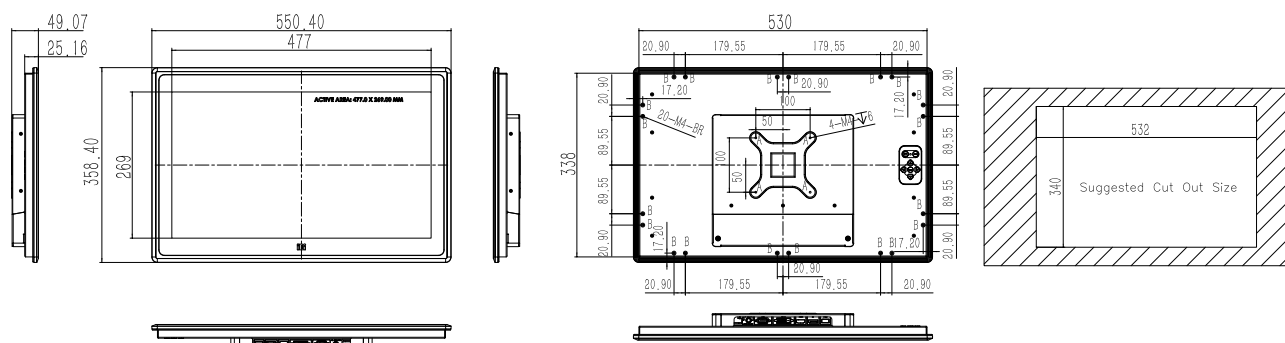
### DM-F19A Dimensions

(Unit: mm)



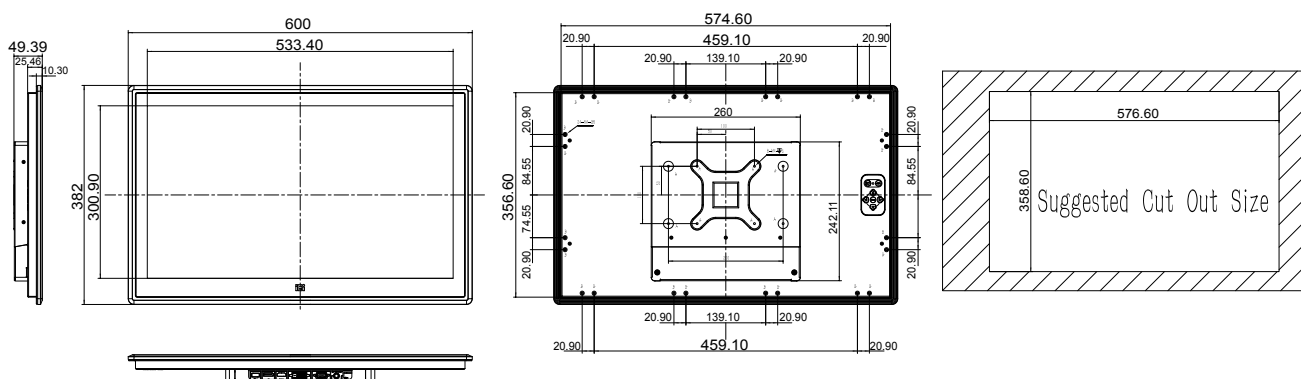
### DM-F22A Dimensions

(Unit: mm)



### DM-F24A Dimensions

(Unit: mm)



# Mouser Electronics

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