

Heavy Industrial Monitor

8"~15.6" 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

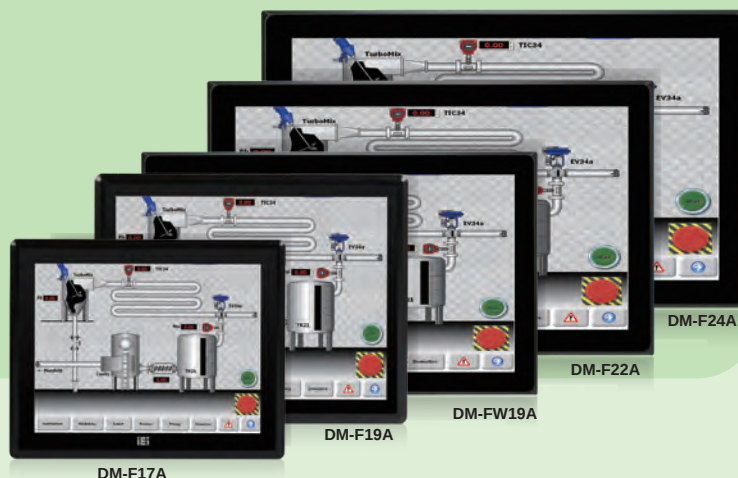
Model		DM-F08A	DM-F12A	DM-F15A	DM-FW15A
LCD	LCD Display	8" (4:3)	12.1" (4:3)	15" (4:3)	15.6" (16:9)
	Max. Resolution	800 x 600	1024 (W) x 768 (H)	1024 (W) x 768 (H)	1366 (W) x768 (H)
	Brightness (cd/m²)	500	600	500	400
	Contrast Ratio	500:1	700 : 1	800 : 1	500:1
	LCD Color	262K	16.2M	16.2M	16.2M
	Pixel Pitch (mm)	0.0675 x 0.2025	0.24 x 0.24	0.29 x 0.29	0.252 x 0.252
	Viewing Angle (H-V)	140°/120°	160° /140°	160° / 150°	170° / 160°
	Backlight MTBF (Hrs)	50000	50000	70000	50000
Touchscreen & Controller		5-wire resistive single touch window/ Penmount 6000	5-wire resistive single touch window/ Penmount 6000 (Anti-glare Surface) 10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface)		
I/O Ports		1 x VGA (DB-15) 1 x DVI 1 x USB 2.0 (touch) 1 x RS-232 (reserved for resistive touch ATO) 1 x Lockable 12V DC jack	1 x VGA (DB-15) 1 x HDMI 1 x DisplayPort 1.1 1 x USB 2.0 (touch) 1 x RS-232 (reserved for resistive touch ATO) 1 x Lockable 9V-36V DC jack 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 75 x 75 VESA Mount	Panel Mount/ Rack Mount 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	400.1 x 253.3 x 52.9
	Cutout Dimensions (mm)	206 x 154	244.8 x 304.8	285.6 x 361.1	379.1 x 232.3
	Weight (kg) Net/ Gross	1.33 / 4.5	2.7 / 4.9	3.5 / 5.5	4 / 6.5
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 36V @ 0.5A	9V @ 1.6A 36V @ 0.4A	9V @ 1.3 36V @ 0.33

Heavy Industrial Monitor

17"~23.8" 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

Model		DM-F17A	DM-FW19A	DM-F19A	DM-F22A	DM-F24A
LCD	LCD Display	17" (5:4)	18.5" (16:9)	19" (5:4)	21.5" (16:9)	23.8" (16:9)
	Max. Resolution	1280 (W) x 1024 (H)	1366 (W) x 768 (H)	1280 (W) x 1024 (H)	1920 (W) x 1080 (H)	1920 (W) x 1080 (H)
	Brightness (cd/m²)	350	400	350	250	250
	Contrast Ratio	1000 : 1	1000 : 1	1000 : 1	1000 : 1	3000 : 1
	LCD Color	16.7M				
	Pixel Pitch (mm)	0.26 x 0.26	0.3 x 0.3	0.294 x 0.294	0.25 x 0.25	0.28 x 0.28
	Viewing Angle (H-V)	170° / 160°			170° / 160°	178° / 178°
	Backlight MTBF (Hrs)	50000			30000	30000
Touchscreen & Controller		5-wire resistive single touch window, 3H/Penmount 6000 (Anti-glare Surface) 10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface)			10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface)	
I/O Ports		1 x VGA (DB-15) 1 x DVI (F19A only) 1 x HDMI (F17A & FW19A only) 1 x DisplayPort 1.1 1 x USB 2.0 (touch) 1 x RS-232 (reserved for resistive touch ATO) 1 x Lockable 9V-36V DC jack 1 x 9V-36V terminal block			1 x VGA (DB-15) 1 x HDMI 1 x DisplayPort 1.1 1 x USB 2.0 (touch) 1 x RS-232 (reserved for resistive touch ATO) 1 x Lockable 9V-36V DC jack 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 100 x 100 VESA Mount			Panel Mount 100 x 100 VESA Mount	Panel Mount 100 x 100 VESA Mount
	Enclosure Color	Black C				
	Dimensions (mm)	341.4 x 408.4 x 49.3	468.8 x 288.2 x 48.9	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	447.8 x 267.2	430 x 355	340 x 532	358.6 x 576.6
	Weight (kg) Net/Gross	4.4 / 7.1	5 / 8.1	5.4 / 8.4	6.3 / 9.6	7.6 / 10.9
Environment	Operating Temperature (with air flow)	-20°C ~ 60°C (with air flow)			-10°C ~ 50°C	-10°C ~ 50°C
	Storage Temperature	-20°C ~ 70°C	-20°C ~ 70°C	-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 36V @ 0.6A	9V @ 1.33A 36V @ 0.35A	9V @ 3.3A 36V @ 0.8A	9V @ 2.5A 36V @ 0.6A	9V @ 3.4A 36V @ 0.8A

Ordering Information

Part No.	Description
DM-F08A/R-R21	8" 500 cd/m ² 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 ² 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 ² 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-R41	15" 450 cd/m ² XGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB resistive touch screen, 9 ~36V DC input, Powder paint, R41
DM-F15A/PC-R41	15" 450 cd/m ² XGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB projected capacitive touch screen, 9 ~36V DC input, Powder paint, R41
DM-FW15A/PC-R21	15.6" 400 cd/m ² 1366x768 LCD monitor, Aluminum front panel, Black color, W/ USB PCAP touch screen, 9 ~36V DC input, Powder paint, R21
DM-F17A/R-R32	17" 350 cd/m ² 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 ² SXGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB projected capacitive touch screen, 9 ~36V DC input, Powder paint, R32
DM-FW19A/PC-R21	18.5" 400 cd/m ² 1366x768 LCD monitor, Aluminum front panel, Black color, W/ USB PCAP touch screen, 9 ~36V DC input, Powder paint, R21
DM-F19A/R-R31	19" 350 cd/m ² SXGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB resistive touch screen, 9 ~36V DC input, Powder paint, R31
DM-F19A/PC-R31	19" 350 cd/m ² SXGA LCD monitor, Aluminum die casting front panel, Black color, W/ USB projected capacitive touch screen, 9 ~36V DC input, Powder paint, R31
DM-F22A/PC-R31	21.5" 250 cd/m ² FHD LCD monitor, Aluminum die casting front panel, Black color, W/ USB projected capacitive touch screen, 9 ~36V DC input, Powder paint, R31
DM-F24A/PC-R41	23.8" 250 cd/m ² FHD LCD monitor, Aluminum front panel, Black color, W/USB projected capacitive touch screen, 9 ~36V DC input, Powder paint, R41

Options

Item	DM-F08A	DM-F12A	DM-F15A	DM-FW15A	DM-F17A	DM-F19A	DM-FW19A	DM-F22A	DM-F24A
Arm	ARM-11-RS	ARM-11-RS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Stand	STAND-C12-R10	STAND-C12-R10	STAND-C19-R10 STAND-A21-R10						
Wall Mount Kit	AFLWK-12	AFLWK-19B							
Panel Mount Kit	FPK-07-R10	FPK-01-R10				FPK-02-R10		FPK-02-R10	FPK-03-R10
Rack Mount Kit	N/A	FRK12-R11	FRK15-R11	FRKW15D-R11	FRK17-R11	FRK19D-R11	N/A	N/A	
RS-232 Touch Cable Kit	DM-F-COMKIT-R10	DM-F-COMKIT-R10	DM-F-COMKIT-R10	N/A	DM-F-COMKIT-R10	DM-F-COMKIT01-R10	N/A	N/A	
Power Adapter	N/A	63040-010060-211-RS							

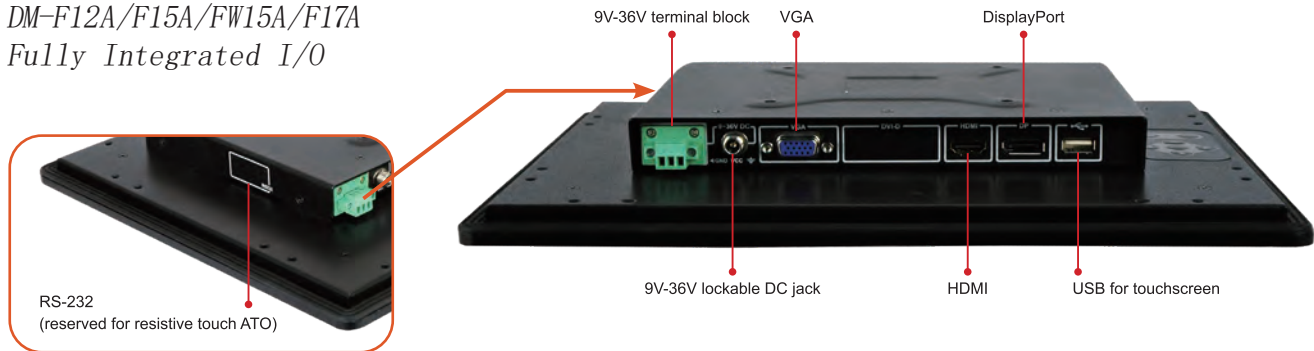
Packing List

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 (for DM-F08A)		

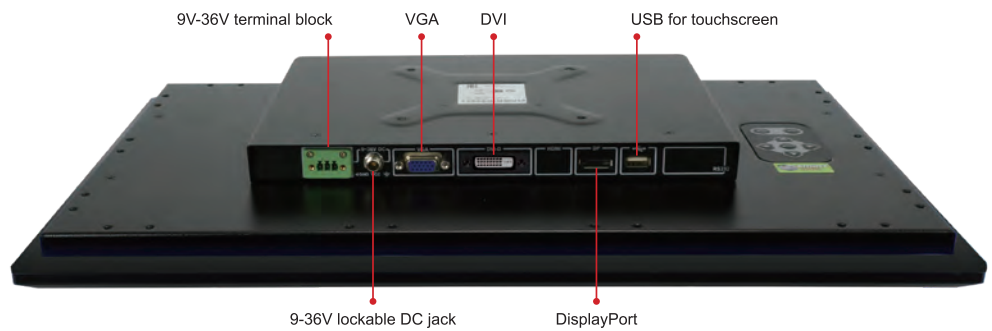
DM-F08A
Fully Integrated I/O



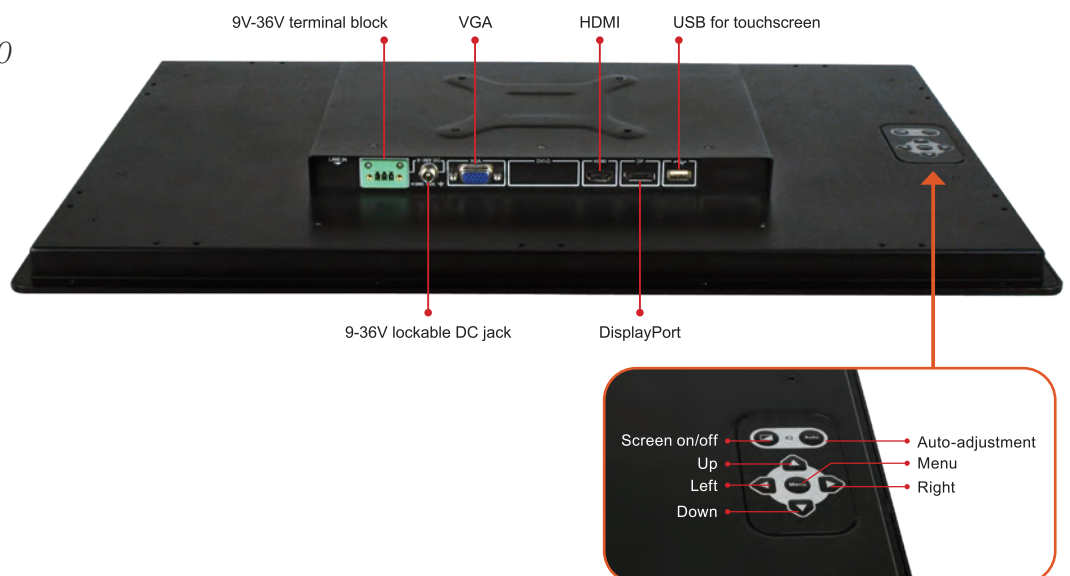
DM-F12A/F15A/FW15A/F17A
Fully Integrated I/O



DM-F19A
Fully Integrated I/O



DM-F22A/F24A
Fully Integrated I/O



Technical drawing of the 15.4 inch monitor showing front, side, and rear views with dimensions in mm.

Front View: The monitor has a width of 203 mm and a height of 122.5 mm. The bezel width is 111.1 mm and the bezel height is 42.7 mm. The screen area is 163 mm wide and 91.1 mm high. The total height including the bezel is 182.2 mm.

Side View: The monitor has a thickness of 42.62 mm.

Rear View: The monitor has a width of 203 mm and a height of 151 mm. The mounting bracket is 75.00 mm wide and 75.00 mm high. The distance from the bottom of the monitor to the bottom of the mounting bracket is 15.4 mm. The distance from the left side of the monitor to the left side of the mounting bracket is 15.4 mm. The distance from the top of the monitor to the top of the mounting bracket is 15.4 mm. The distance from the right side of the monitor to the right side of the mounting bracket is 15.4 mm.

Top View: The monitor has a width of 206 mm and a height of 154 mm. The suggested cut size is indicated by a dashed line.

Technical drawing of the ACIFYE AREA-CALCULATOR DM-F12A. The drawing includes a top view, a front view, a side view, and a suggested cut-out size.

Top View: Dimensions are 322.20 (width) and 248 (height). The device is labeled "ACIFYE AREA-CALCULATOR DM-F12A".

Front View: Dimensions are 161.10 (width) and 210.60 (height). The device features a display and buttons.

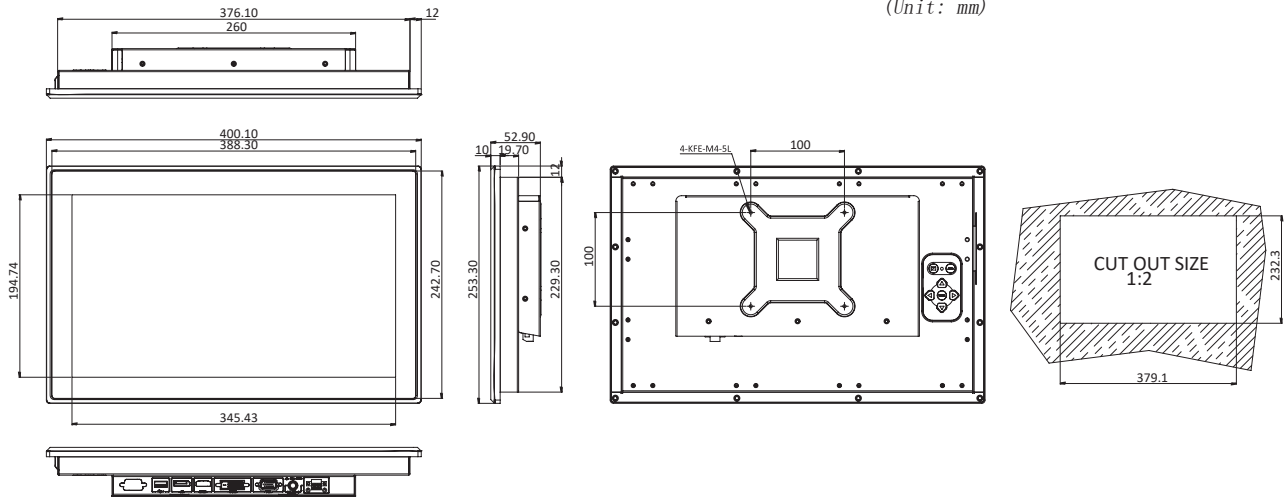
Side View: Dimensions are 40.50 (depth) and 16.80 (height). The device is shown from the side.

Suggested Cut out size: Dimensions are 304.8 (width) and 244.8 (height). The cut-out is shown as a rectangular area within a larger shape.

[illegible]

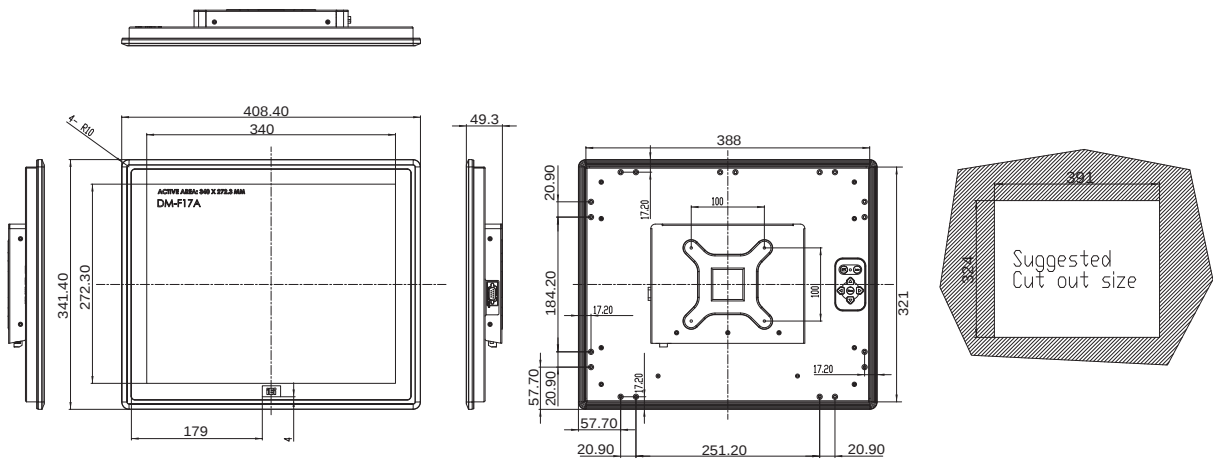
DM-FW15A Dimensions

(Unit: mm)



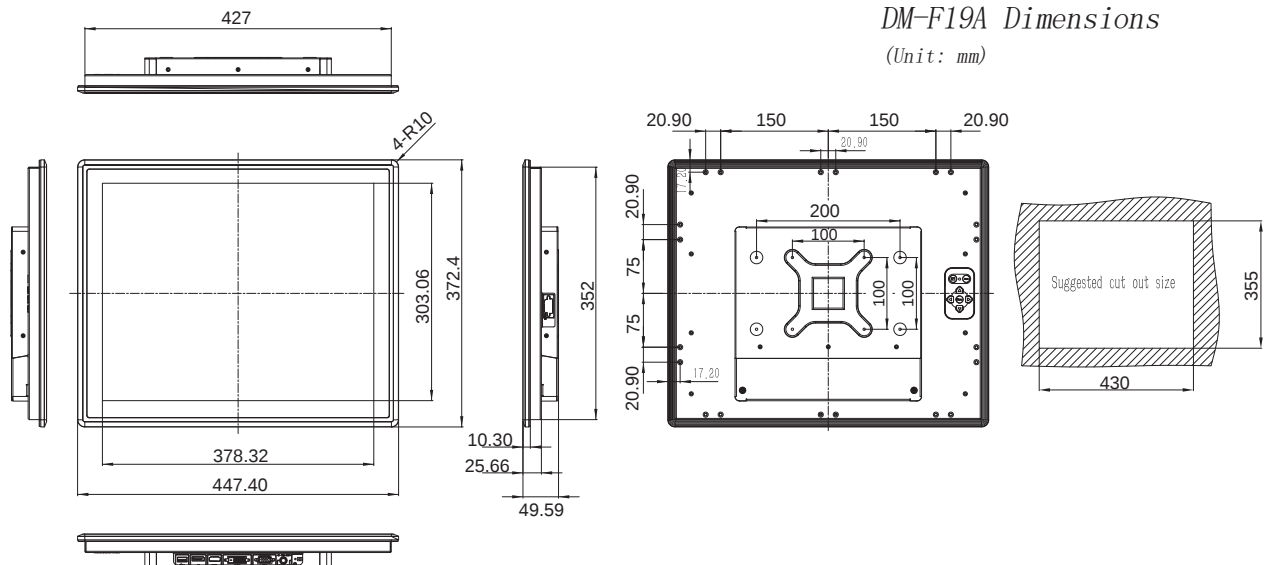
DM-F17A Dimensions

(Unit: mm)

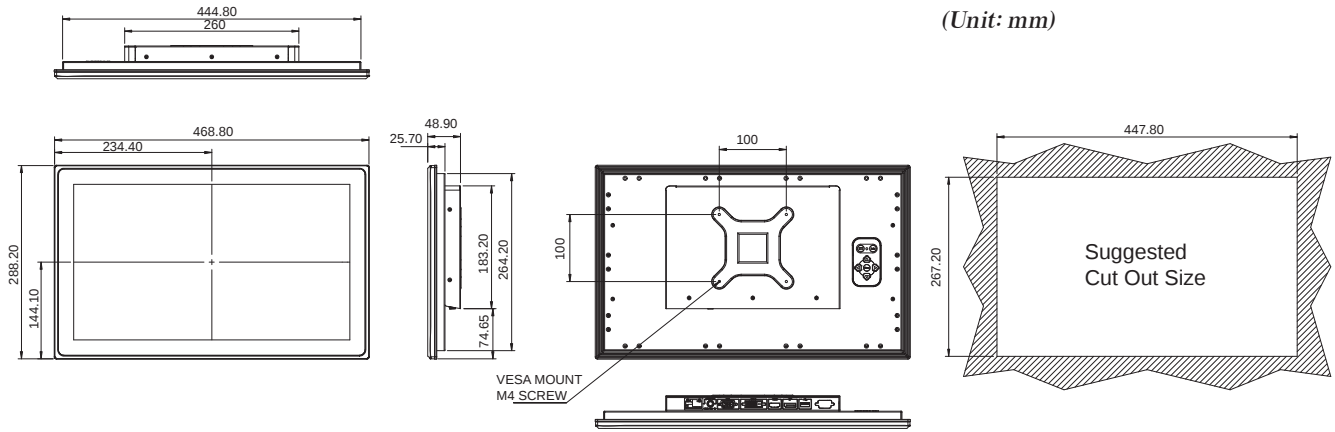


DM-F19A Dimensions

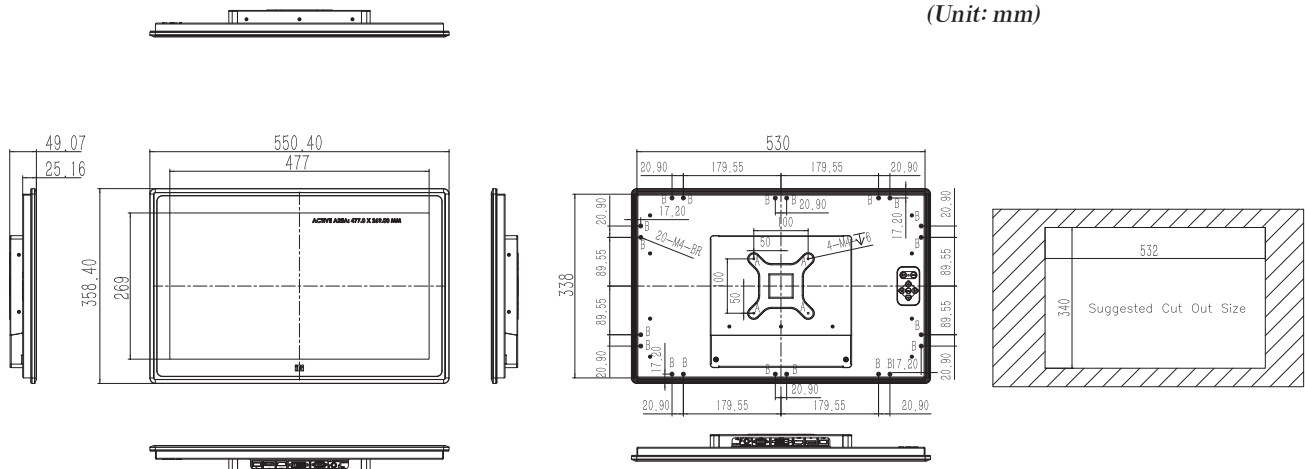
(Unit: mm)



DM-FW19A Dimensions (Unit: mm)



DM-F22A Dimensions (Unit: mm)



DM-F24A Dimensions (Unit: mm)

