

FPM-212 FPM-215 FPM-217 FPM-219

12" XGA/15" XGA/17" SXGA/19" SXGA Industrial Monitors with Resistive Touch Control, Direct HDMI, DP, and VGA Ports



Introduction

In IIoT and Industry 4.0, more and more customers need data to be visualized to help process management and decision making. The FPM-200 series is an industrial-grade monitor with sleek, simple lines and a true-flat touchscreen. Equipped with durable resistive touch control and an IP66-rated front bezel, FPM-200 series is designed for intuitive operation in industrial environments such as smart factory and machine automation display applications.

Specifications

General

- Certification** BSMI, CCC, CE, FCC, UL, CB
- Dimensions (W x H x D)**
 - FPM-212: 311.8 x 238.0 x 53 mm (12.27 x 9.37 x 2.08 in)
 - FPM-215: 383.2 x 307.3 x 53.20 mm (15.08 x 12 x 2.09 in)
 - FPM-217: 410.4 x 343.4 x 54 mm (16.15 x 13.51 x 2.12 in)
 - FPM-219: 454 x 379.8 x 51.5 mm (17.87 x 14.95 x 2.03 in)
- Enclosure** Front panel: Die cast magnesium alloy
Rear cover: Die-casting aluminum
- Mount Options** Stand, Wall, Panel and VESA arm (75 x 75mm)
- Power Input** FPM-2XX-R8AE : External 36 W power adapter, with AC 100 V ~ 240 V input and DC +12 V @ 3 A output (included)
FPM-2XX-R9AE: Terminal Block: 24 V_{DC} input
HDMI, DP, and VGA
- Video Port**
- Weight (Net)** 3.2 kg / 4.6 kg / 5.4 kg / 6.2 kg

Power Consumption

- FPM-212-R8AE** 17.91(idle), 19.01(Max)
- FPM-215-R8AE** 14.69(idle), 15.32(Max)
- FPM-217-R8AE** 12.04(idle), 14.56(Max)
- FPM-212-R9AE** 16.65(idle), 17.51(Max)
- FPM-215-R9AE** 14.19(idle), 14.75(Max)
- FPM-217-R9AE** 11.92(idle), 14.19(Max)
- FPM-219-R9AE** 14.19(idle), 15.53(Max)

LCD Display

- Display Type** XGA/XGA/SXGA/SXGA TFT LCD
- Display Size** 12"/15"/17"/19"
- Max. Resolution** 1024 x 768/1024 x 768/1280 x 1024/1280 x 1024
- Max. Color** 16.2M/16.2M/16.7M/16.7M
- Viewing Angle (H/V °)** 178/178, 176/176, 178/178, 170/160
- Luminance (cd/m²)** 600/300/250/350
- Backlight Life** 50,000/70,000/50,000/50,000 hr
- Contrast Ratio** 1000:1 / 2000:1 / 1000:1/1000:1

Touchscreen

- Type** 5-wire analog resistive
- Interface** USB
- Light Transmission** Above 75%
- OS Support** Windows XP, Vista, 7, 8, 10, 11, XPe and Linux

Features

- 12" XGA/17" SXGA TFT LED LCD with 50,000 backlight lifetime
- 15" XGA/19" SXGA TFT LED LCD with 70,000 backlight lifetime
- Direct HDMI, DP and VGA input interfaces
- Anti-glare screen with tempered glass
- Robust system with Die-casting aluminum chassis and IP66-rated aluminum alloy front bezel
- Lockable I/O connectors
- Slim design enables easy installation
- Supports various mount options: panel, desktop, and VESA arm

Environment

- Operating Temperature** 0 ~ 50 °C (32 ~ 122 °F)
- Storage Temperature** -20 ~ 60 °C (-4 ~ 140 °F)
- Humidity (Storage)** 10 ~ 90% non-condensing
- IP Rating** IP-66 graded front panel
- Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

Ordering Information

- FPM-212-R8AE** 12.1" XGA Ind. Monitor, w/Resistive TS (Made in China)
- FPM-212-R8AU** 12.1" XGA Ind. Monitor, w/Resistive TS (Made in Taiwan)
- FPM-215-R8AE** 15" XGA Ind. Monitor, w/Resistive TS (Made in China)
- FPM-215-R8AU** 15" XGA Ind. Monitor, w/Resistive TS (Made in Taiwan)
- FPM-217-R8AE** 17" SXGA Ind. Monitor, w/Resistive TS (Made in China)
- FPM-217-R8AU** 17" SXGA Ind. Monitor, w/Resistive TS (Made in Taiwan)
- FPM-212-R9AE** 12.1" XGA Ind. Monitor, w/Resistive TS (24 V_{DC}) (Made in China)
- FPM-212-R9AU** 12.1" XGA Ind. Monitor, w/Resistive TS (24 V_{DC}) (Made in Taiwan)
- FPM-215-R9AE** 15" XGA Ind. Monitor, w/Resistive TS (24 V_{DC}) (Made in China)
- FPM-217-R9AE** 17" SXGA Ind. Monitor, w/Resistive TS (24 V_{DC}) (Made in China)
- FPM-219-R9AE** 19" SXGA Ind. Monitor, w/Resistive TS (24 V_{DC}) (Made in China)

Optional Accessories

12VDC version Power cord

- 1700001524** Power Cable US Plug, 1.8m
- 170203183C** Power Cable EU Plug, 1.8m
- 170203180A-01** Power Cable UK Plug, 1.8m
- 1700008921** Power Cable JP Plug, 1.8m
- 1700019146** Power Cable China/Australia Plug, 1.8m

24VDC version Power cord and adapter

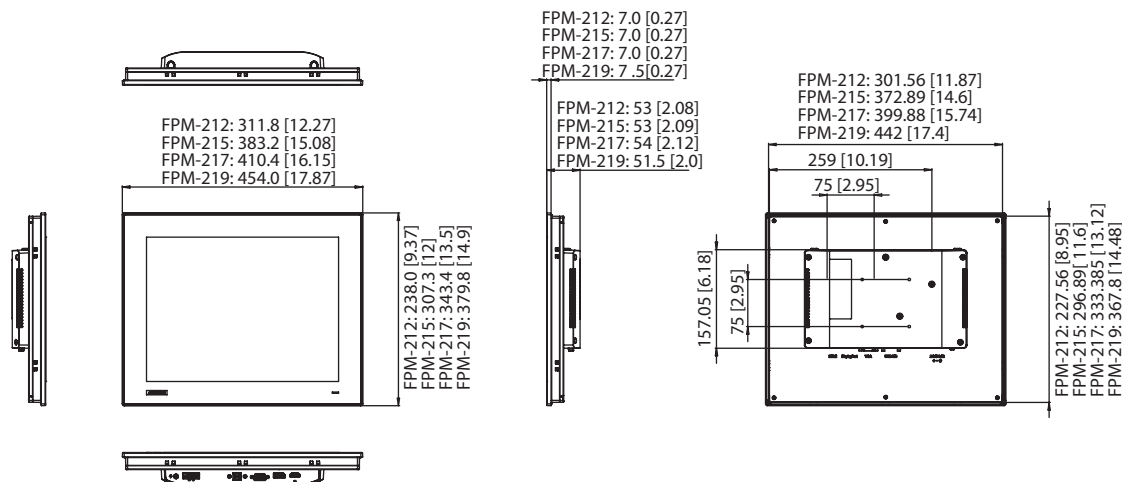
- 1702002600** Power Cable US Plug 1.8 M
- 1702002605** Power Cable EU Plug 1.8 M
- 1702031801-11** Power Cable UK Plug 1.8 M
- 1700000596-11** Power Cable China/Australia Plug 1.8 M
- PWR-247-DE** Adapter 100-240V 60W 24V 2.5A
- FPM-200W-ADKE** Adapter bracket for FPM-200W (Note: Only 17" and 19" supported)

Mounting kit

- FPM-1000T-SMKE** Desktop/Wall Mounting kit for FPM series
- PPC-1747-WL-MTE** Wall mount kit A800B
- PPC-ARM-A03** ARM VESA Standard (A-CLEVER)
- PPC-STAND-A1E** Stand mounting kit
- FPM-715-RMKE** FPM-715 Rack-Mount Kit (Note: Only 15" supported)
- FPM-717-RMKE** FPM-717 Rack-Mount Kit (Note: Only 17" supported)

Dimensions

Unit: mm



Panel Cutout Dimensions: FPM-212: 303 x 229 mm (11.93 x 9.02 in)
 FPM-215: 374.5 x 298.5 mm (14.74 x 11.75 in)
 FPM-217: 401.3 x 334.8 mm (15.8 x 13.18 in)
 FPM-219: 443.5 x 369.3 mm (17.46 x 14.53 in)

Front View

Rear View

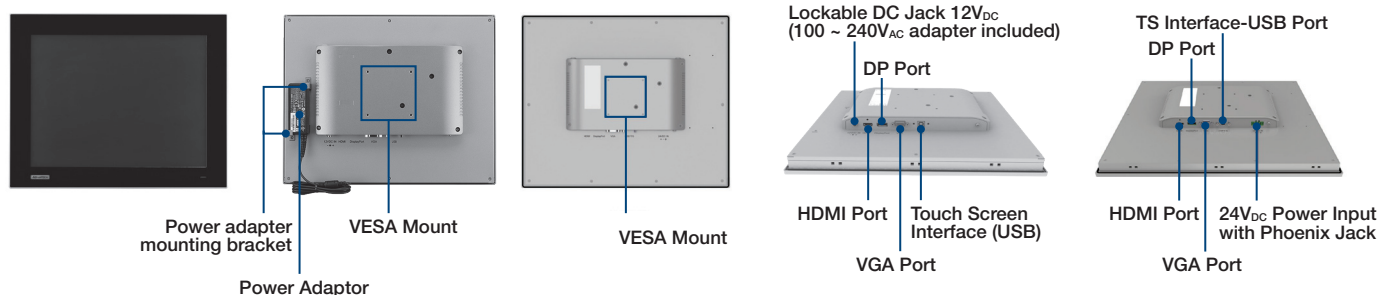
I/O View

Rear View (12VDC)

Rear View (24VDC)

I/O View (12VDC)

I/O View (24VDC)



Packing List

Item	Part No.	Description	Qty	Note
Adapter	96PSA-A36W12W7-5	ADP A/D 100-240V 36W 12V C6 LOCK DC JACK 62368	1	12V _{DC} only
Terminal Block	1652007930-01	Plug-In Block 1x3P/5.08mm/PA66/F/VA/Sn/GR/H15.0	1	24V _{DC} only
Cable lock for HDMI	1990022422S000	Fixed rail 71.3Lx6.2W mm YJC-64C for UBC-DS31	1	
Cable lock for HDMI	1990022423S000	Fixed ring DIA:7.5-8.5 FWM-8K for UBC-DS31	1	
Clamper	1962055040	CLAMPER PPC-55 M1632611 A2	8	15"/17": 10pcs 19": 12pcs
Clamper screw	1935042520	Screw M4x25L R/S D=8.3 H=2.5 (2+) ST BZn	8	
GND cable	1703011001-11	A Cable G-TEM 4.3 100CM C=GR/Y	1	
USB touch Cable	1700017851-01	M Cable USB-A 4P(M)/USB-B 4P(M) 169CM (BK)	1	
VGA Cable	1700021332-11	M CABLE D-SUB 15P(M)/D-SUB 15P(M) 180CM VESA B1	1	
Adapter bracket	1960097638N000	Bracket PWR AD for FPM-200	2	15"/17" 12V _{DC} only
Adapter bracket screw	1930001361	Screw M3x4L S/S D=5 H=1.2 (2+) ST Ni NK	2	15"/17" 12V _{DC} only