

# 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, KC (FPM-212-R8AE, FPM-215-R8AE, FPM-217-R8AE, FPM-217-R9AE, FPM-219-R9AE)
- **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<sub>DC</sub> input
- **Video Port** HDMI, DP, and VGA
- **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/m<sup>2</sup>)** 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<sub>DC</sub>) (Made in China)
- **FPM-212-R9AU** 12.1" XGA Ind. Monitor, w/Resistive TS (24 V<sub>DC</sub>) (Made in Taiwan)
- **FPM-215-R9AE** 15" XGA Ind. Monitor,w/Resistive TS(24 V<sub>DC</sub>) (Made in China)
- **FPM-217-R9AE** 17" SXGA Ind. Monitor,w/Resistive TS(24 V<sub>DC</sub>) (Made in China)
- **FPM-219-R9AE** 19" SXGA Ind. Monitor,w/Resistive TS(24 V<sub>DC</sub>) (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

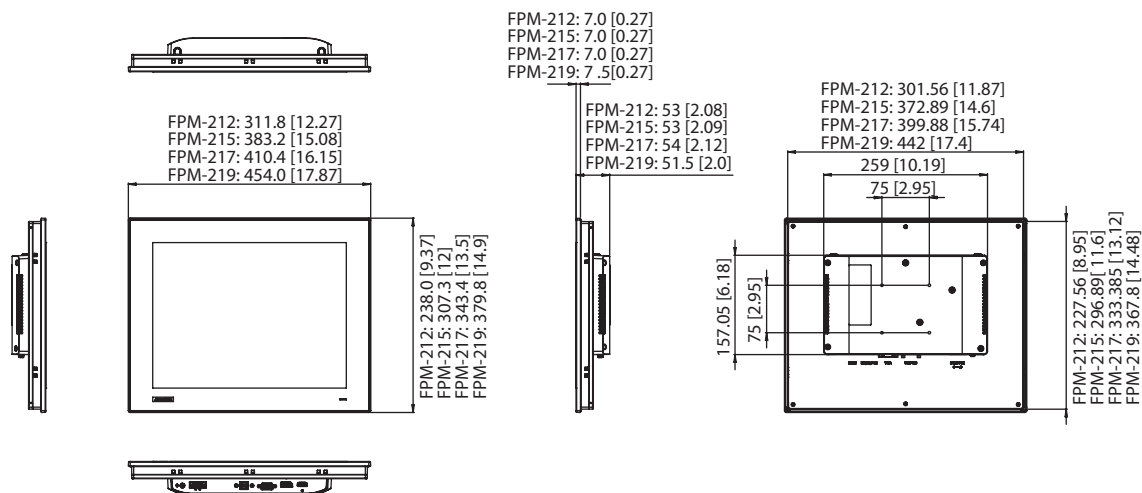
- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801-11** Power Cable UK Plug 1.8 M
- **1700000596-11** Power Cable China/Australia Plug 1.8 M
- **PWR-247-DE** Adapter 100-240V 60W 24V 2.5A
- **FPM-200W-ADKE** Adapter bracket for FPM-200W (Note: Only 17"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

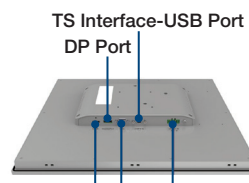
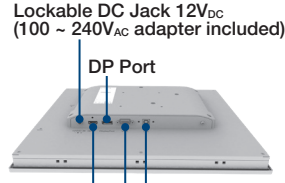
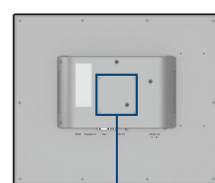
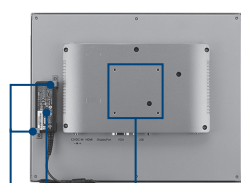
## I/O View

### Rear View (12VDC)

### Rear View (24VDC)

### I/O View (12VDC)

### I/O View (24VDC)



Power adapter mounting bracket  
 VESA Mount  
 Power Adaptor

VESA Mount

Lockable DC Jack 12V<sub>DC</sub>  
 (100 ~ 240V<sub>AC</sub> adapter included)  
 DP Port  
 HDMI Port  
 Touch Screen Interface (USB)  
 VGA Port

TS Interface-USB Port  
 DP Port  
 HDMI Port  
 24V<sub>DC</sub> Power Input with Phoenix Jack  
 VGA Port

## 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 <sub>DC</sub> only
Terminal Block	1652007930-01	Plug-In Block 1x3P/5.08mm/PA66/F/VA/Sn/GR/H15.0	1	24V <sub>DC</sub> 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 <sub>DC</sub> only
Adapter bracket screw	1930001361	Screw M3x4L S/S D=5 H=1.2 (2+) ST Ni NK	2	15"/17" 12V <sub>DC</sub> only