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

TestPoint
YOUR IT SOLUTIONS PROVIDER

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

## 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

## 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)<br>FPM-215: 383.2 x 307.3 x 53.20 mm (15.08 x 12 x 2.09 in)<br>FPM-217: 410.4 x 343.4 x 54 mm (16.15 x 13.51 x 2.12 in)<br>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<br>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)<br>FPM-2XX-R9AE: Terminal Block: 24 $V_{DC}$ 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/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 |

### 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** | 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** | 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) |

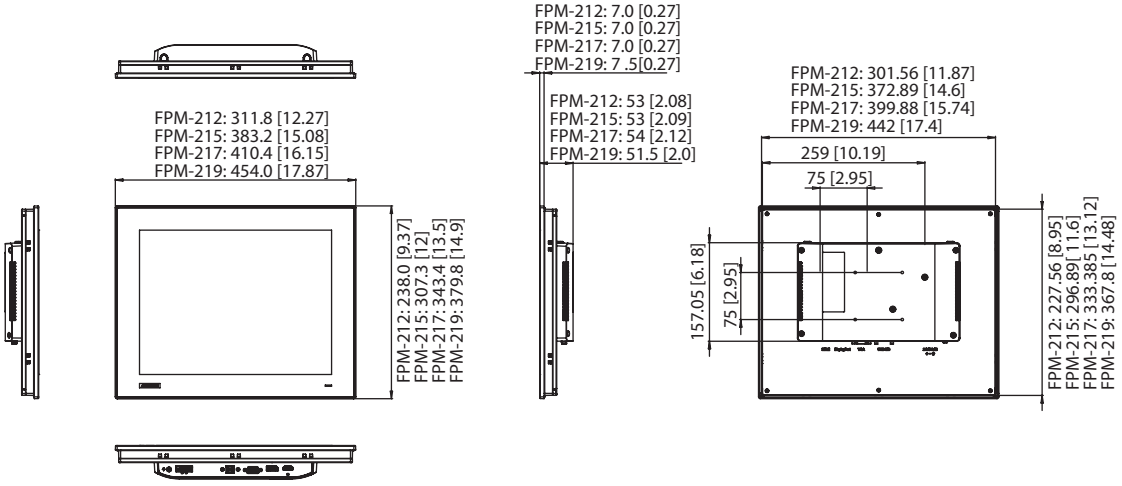
### Mounting kit

| | |
|---|---|
| **FPM-1000T-SMKE** | Desktop/Wall Mounting kit for FPM series |
| **PPC-174T-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) |


All product specifications are subject to change without notice.

## Dimensions

Unit: mm

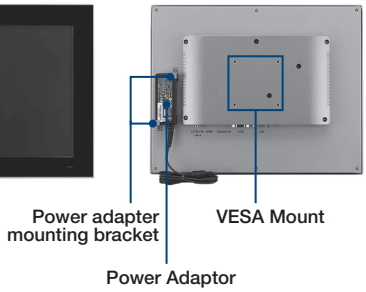



**Panel Cutout Dimensions:** **FPM-212: 303 x 229 mm (11.93 x 9.02 in)**
**FPM-215: 374.5 x 298.5 mm (14.74 x 11.75 in)**
**FPM-217: 401.3 x 334.8 mm (15.8 x 13.18 in)**
**FPM-219: 443.5 x 369.3 mm (17.46 x 14.53 in)**

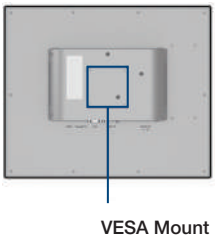
## Front View

## Rear View

### Rear View (12VDC)

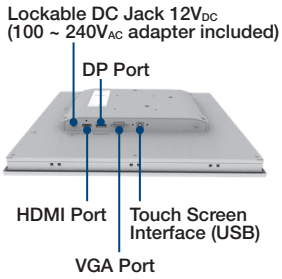



### Rear View (24VDC)

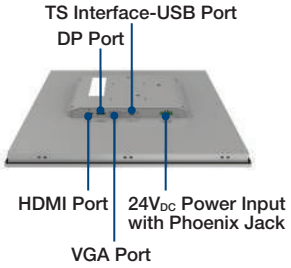



## I/O View

### 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<br>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 |