

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 Class A, UL
- 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
- 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, 170/160,170/160
- Luminance (cd/m²)** 600/300/250/350
- Backlight Life** 50,000/70,000/50,000/70,000 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, 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
- FPM-215-R8AE 15 XGA Ind. Monitor,w/Resistive TS
- FPM-217-R8AE 17" SXGA Ind. Monitor,w/Resistive TS
- FPM-212-R9AE 12.1" XGA Ind. Monitor, w/Resistive TS (24 V_{DC})
- FPM-215-R9AE 15 XGA Ind. Monitor,w/Resistive TS(24 V_{DC})
- FPM-217-R9AE 17" SXGA Ind. Monitor,w/Resistive TS(24 V_{DC})
- FPM-219-R9AE 19" SXGA Ind. Monitor,w/Resistive TS(24 V_{DC})

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

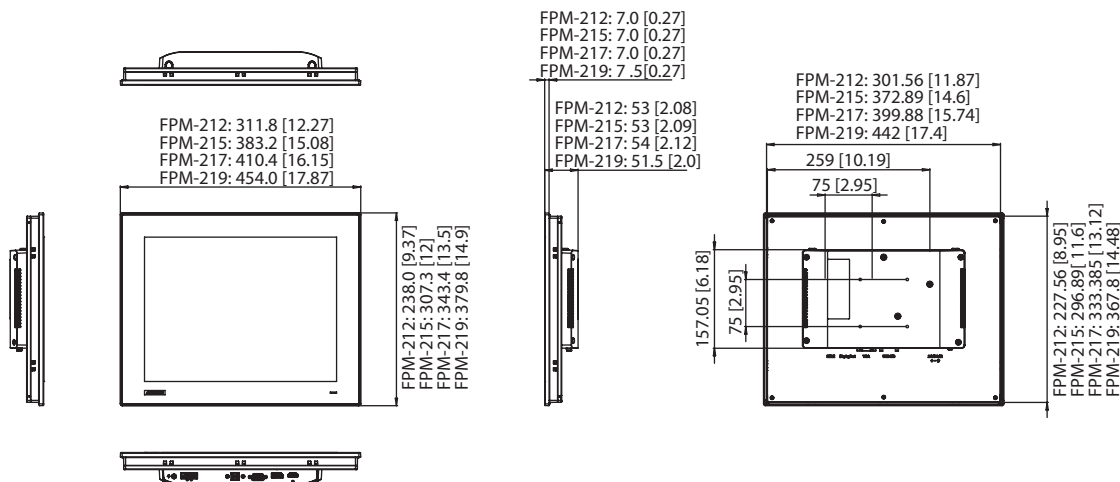
- 1702002600 Power Cable US Plug 1.8 M
- 1702002605 Power Cable EU Plug 1.8 M
- 1702031801 Power Cable UK Plug 1.8 M
- 1700000596-11 Power Cable China/Australia Plug 1.8 M
- PWR-247-DE Adapter 100-240V 60W 24V 2.5A

Mounting kit

- FPM-1000T-SMKE Desktop/Wall Mounting kit for FPM series

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

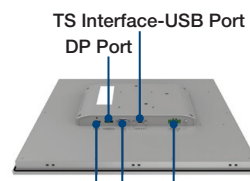
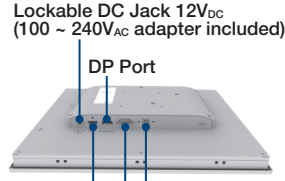
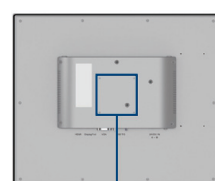
I/O View

Rear View (12VDC)

Rear View (24VDC)

I/O View (12VDC)

I/O View (24VDC)



Power adapter mounting bracket
 Power Adaptor

VESA Mount

VESA Mount

HDMI Port
 Touch Screen Interface (USB)
 VGA Port

HDMI Port
 24V_{DC} 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 _{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 |