

FPM-5191G

FPM-5171G

FPM-5151G

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



Features

- 15" XGA/17"/19" SXGA TFT LED LCD with 50,000 backlight lifetime
- Direct VGA and DVI-D input interfaces
- Lockable OSD keys with 2 user-defined contrast/brightness controls
- Flat, sealed, IP65-rated front panel
- Robust design with anti-rust chassis and aluminum die cast front panel
- Front-accessible USB connector
- Combo RS-232 & USB interface for touchscreen functionality (switchable)
- Supports 10 ~ 30 V_{DC} power input with Phoenix jack
- Supports panel, wall, desktop, rack or VESA arm mounting

Introduction

The FPM-5000G series comprises 15", 17", and 19" flat-panel color monitors with LED backlights that provide an ample display area and sharp, vivid images. Specifically designed for industrial applications, these monitors support Direct VGA and DVI-D signal transmissions, which allow VGA control cards to be integrated in the system. The onscreen display output can be adjusted using two user-defined function keys. The front-accessible USB connector provides easy access to the controller, while the wide-range (10 ~ 30 V_{DC}) power support makes these monitors ideal for factory and machine automation display applications.

Specifications

General

- **OSD Controls** Lockable OSD control buttons on rear panel
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)**
 - 5151G: 449.92 x 315.63 x 50.5 mm (17.71 x 12.43 x 1.99 in)
 - 5171G: 481.93 x 355.87 x 55 mm (18.97 x 14.01 x 2.17 in)
 - 5191G: 481.93 x 384.6 x 59 mm (18.97 x 15.14 x 2.32 in)
- **Enclosure** Front panel: Aluminum and flat-sealed
Rear cover: Anti-rust coating
- **Mount Options** Panel, wall, desktop, VESA arm, or 19" rackmount
- **Power Input** Phoenix Jack: 10 ~ 30 V_{DC} input
Optional external 57 W power adapter, with AC 100 V ~ 240 V input and DC +12 V @ 4.7A output
- **Power Consumption** 18 W + 20%/31 W + 20%/32 W + 20%
- **USB** Front-facing USB for easy access
- **Video Port** VGA & DVI-D
- **Weight (Net)** 6 kg (13.22 lb)/7 kg (17.63 lb)/9 kg (22.04 lb)

LCD Display

- **Display Type** XGA/SXGA/SXGA TFT LCDs
- **Display Size** 15"/17"/19"
- **Max. Resolution** 1024 x 768/1280 x 1024/1280 x 1024
- **Max. Color** 16.2M/16.7M/16.7M
- **Viewing Angle (H/V °)** 160/140, 160/140, 170/160
- **Luminance (cd/m²)** 400/350/350
- **Backlight Life** 50,000 hr
- **Contrast Ratio** 700:1/800:1/1000:1

Touchscreen

- **Sensor** AMT
- **Driver** Penmount 6000
- **Type** 5-wire resistive
- **Interface** RS-232 & USB
- **Lifespan** 10/10/36 million with R8 silicone rubber finger, 2 x 250g presses per second
- **Light Transmission** > 80%
- **OS Support** Windows XP, Vista, 7, 8, 10, XPe and Linux
- **Power Consumption** +5 V @ 100 mA
- **Touch Resolution** Linearity

Environment

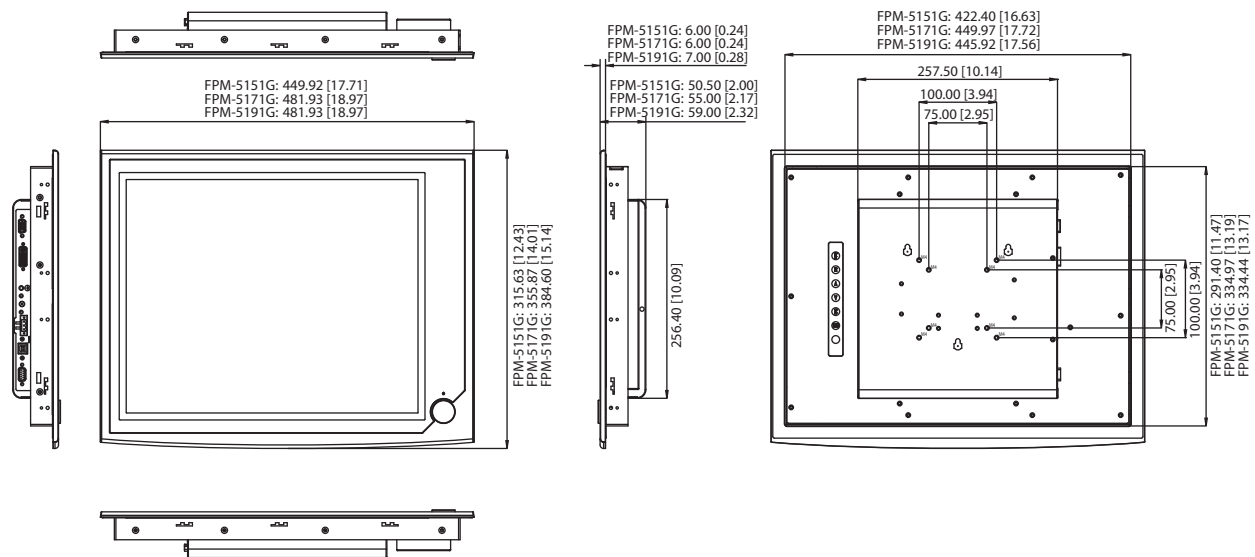
- **Operating Temperature** 0 ~ 50 °C (32 ~ 122 °F)
- **Storage Temperature** -20 ~ 60 °C (-4 ~ 140 °F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **IP Rating** Front panel is compliant with IP65
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

Ordering Information

- **FPM-5191G-R3BE** 19"SXGA Ind. Monitor w/Resistive TS(RS-232,USB)
- **FPM-5171G-R3BE** 17"SXGA Ind. Monitor w/Resistive TS(RS-232,USB)
- **FPM-5151G-R3BE** 15"XGA Ind. Monitor w/Resistive TS(RS-232,USB)

Dimensions

Unit: mm [inch]



Panel Cutout Dimensions:

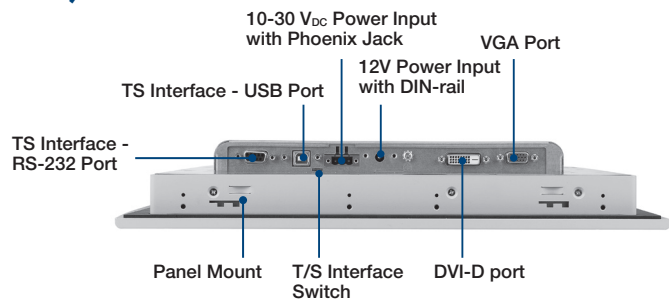
- FPM-5151G:** 424 x 293 mm (16.69 x 11.54 in)
- FPM-5171G:** 454 x 338 mm (17.87 x 13.31 in)
- FPM-5191G:** 454 x 338 mm (17.87 x 13.31 in)

Optional Accessories

- **FPM-1000T-SMKE** Desktop/Wall Mounting kit for FPM series
- **98R3615210E** IPPC-6152A/FPM-5151G Rack Mount Kit
- **98R3617200E** IPPC-6172A/FPM-5171G Rack Mount Kit
- **98R3619200E** IPPC-6192A/FPM-5191G Rack Mount Kit
- **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
- **96PSA-A60W12V1-1** ADP A/D 100-240V 60W 12V C14 DC PLUG 180 °
- **FPM-5000G-ADKE** Mounting bracket of adapter for FPM-5000

Note: VESA mounting screw length: M4 x 6 mm

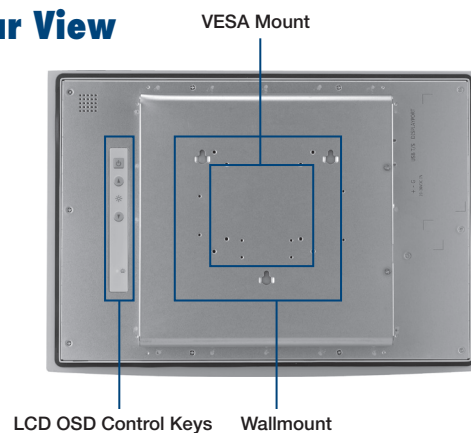
I/O View



Front-Facing USB Port



Rear View



Mouser Electronics

Authorized Distributor

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