FPM-5151G
FPM-5171G
FPM-5191G

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

NEW

Features

- 15" XGA or 17" / 19" SXGA TFT LCDs
- Direct VGA & DVI-D video input interface
- Lockable OSD keys with 2 user-defined contrast/brightness settings
- Flat-sealed 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 function (optional)
- Supports industrial 10-30 V_{DC} power input
- Supports panel, wall, desktop, rack or VESA arm mounting
- Front panel is NEMA4/IP65 compliant

Introduction

The FPM-5000G series provides 15", 17" and 19" color TFT LCD flat panel monitors specifically designed for industrial applications. With a viewing size from 15" to 19", they present ample display areas as well as vivid and sharp images. It features Direct-VGA & DVI-D signal transmission, which allows VGA control cards to be used in your system. The onscreen display allows users to adjust the images on the screen with two user-defined settings. The front access USB connector provides easy access the controller, and the industrial 10-30 Vdc wide range power support makes this product an excellent option for Factory and Machine Automation display solutions.

Specifications

General

- **Button Controls** OSD control pad on rear side with lockable function
- **Certification** BSMI, CCC, CE, FCC Class B, UL
- **Dimensions (WxHxD)** 5151G: 449.92 x 315.63 x 50.5 mm (17.71" x 12.43" x 2")
  5171G: 481.9 x 355.9 x 55 mm (18.97" x 14.01" x 2.17")
  5191G: 481.93 x 384.6 x 59 mm (18.97" x 15.14" x 2.32")
- **Enclosure** Front panel: Aluminum and flat-sealed
  Rear cover: Anti-rust coating
- **Mounting** 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 USB access for extension
- **Video Port** VGA & DVI-D
- **Weight (Net)** 6 kg (13.22 lbs) / 8 kg (17.63 lbs) / 10 kg (22.04 lbs)

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
- **Viewing Angle (H/V°)** 160/130, 170/160, 178/178
- **Luminance (cd/m²)** 250 / 380 / 300
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700:1 / 1000:1 / 1300 : 1

Touchscreen (Optional)

- **Sensor** AMT
- **Driver** Penmount 6000
- **Type** 8-wire / 8-wire / 5-wire Resistive
- **Interface** RS-232 & USB
- **Lifespan** 10/ 10/ 36 million with a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
- **Light Transmission** > 80%
- **OS Support** Windows 2000, XP, Vista, 7, XPe, CE and Linux
- **Power Consumption** +5 V @ 100 mA
- **Touch Resolution** Linearity

Environment

- **Operation Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is NEMA4/IP65 compliant
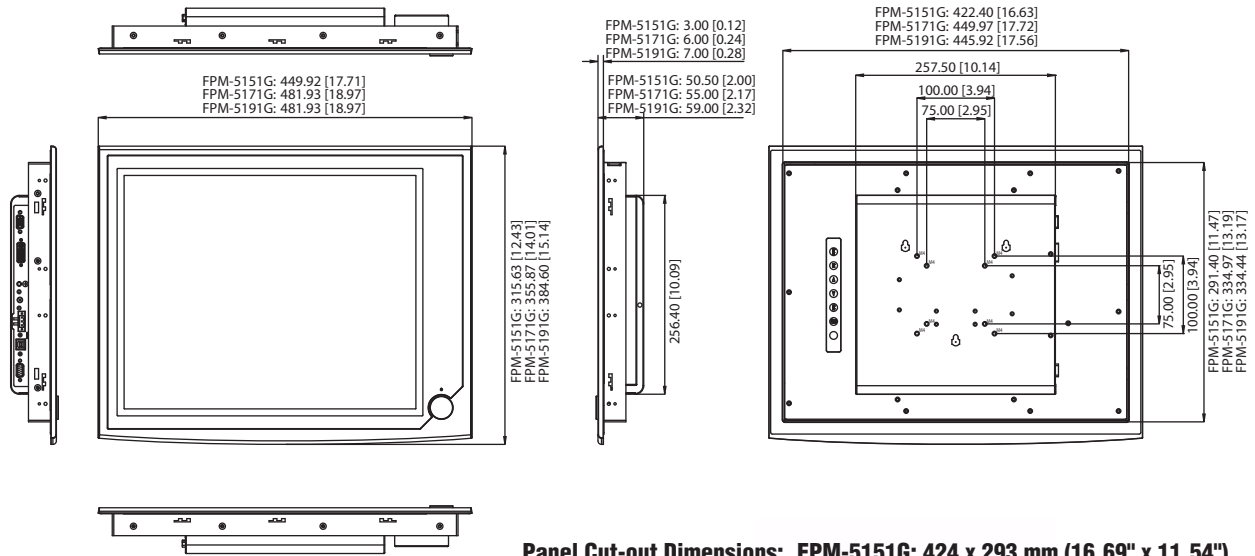- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

Ordering Information

- **FPM-5191G-X0AE** 19" SXGA Ind. Monitor
- **FPM-5191G-R3AE** 19" SXGA Ind. Monitor w/Resistive TS (RS-232, USB)
- **FPM-5171G-X0AE** 17" SXGA Ind. Monitor
- **FPM-5171G-R3AE** 17" SXGA Ind. Monitor w/Resistive TS (RS-232, USB)
- **FPM-5151G-X0AE** 15" XGA Ind. Monitor
- **FPM-5151G-R3AE** 15" XGA Ind Monitor w/Resistive TS (RS-232, USB)

Dimensions

Unit: mm

FPM-5151G: 449.92 [17.71]
FPM-5171G: 481.93 [18.97]
FPM-5191G: 481.93 [18.97]

FPM-5151G: 315.63 [12.43]
FPM-5171G: 355.87 [14.01]
FPM-5191G: 384.60 [15.14]

FPM-5151G: 3.00 [0.12]
FPM-5171G: 6.00 [0.24]
FPM-5191G: 7.00 [0.28]

FPM-5151G: 50.50 [2.00]
FPM-5171G: 55.00 [2.17]
FPM-5191G: 59.00 [2.32]

256.40 [10.09]

FPM-5151G: 422.40 [16.63]
FPM-5171G: 449.97 [17.72]
FPM-5191G: 445.92 [17.56]

257.50 [10.14]

100.00 [3.94]

75.00 [2.95]

75.00 [2.95]

100.00 [3.94]

FPM-5151G: 291.40 [11.47]
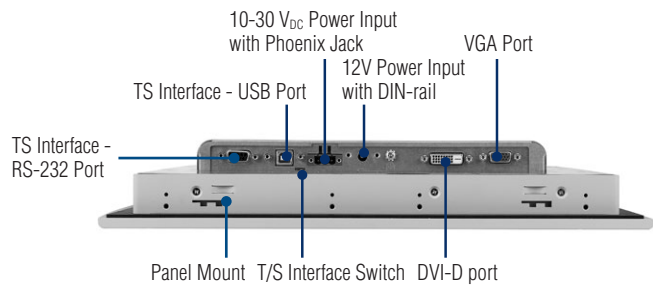FPM-5171G: 334.97 [13.19]
FPM-5191G: 334.44 [13.17]

Panel Cut-out Dimensions: **FPM-5151G: 424 x 293 mm (16.69" x 11.54")**
FPM-5171G: 454 x 338 mm (17.87" x 13.31")
FPM-5191G: 454 x 338 mm (17.87" x 13.31")

Accessories

- **FPM-5151G-SMKE**   FPM-5151G/5171G Stand Kit
- **FPM-5191G-SMKE**   FPM-5191G Stand Kit
- **IPPC-6152A-RMKE**   IPPC-6152A/FPM-5151G Rack Mount Kit
- **IPPC-6172A-RMKE**   IPPC-6172A/FPM-5171G Rack Mount Kit
- **IPPC-6192A-RMKE**   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
- **1702031836**   Power Cable China/Australia Plug 1.8 M
- **1757002742**   Adapter AC 90-264V 57W SPU63-105

I/O View

10-30 V_{DC} Power Input with Phoenix Jack

VGA Port

TS Interface - USB Port

12V Power Input with DIN-rail

TS Interface - RS-232 Port

Panel Mount

T/S Interface Switch

DVI-D port

Front Accessible USB Port

Back View

VESA Mount

LCD OSD Control Keys

Wallmount