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

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

Features

- 15" XGA or 17" / 19" SXGA TFT LED LCD with 50,000 backlight life time
- Direct VGA & DVI-D input interface
- Lockable OSD keys with 2 user-defined contrast/brightness settings
- Flat-sealed and IP65 certified 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 with Phoeni x jack
- Supports panel, wall, desktop, rack or VESA arm mounting
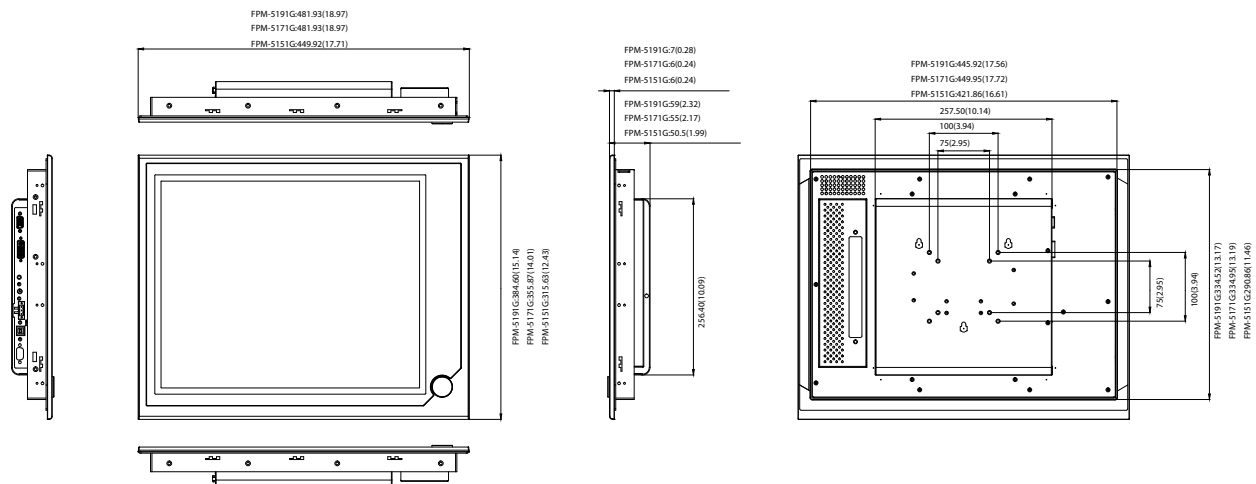
Introduction

The FPM-5000G series provides 15", 17" and 19" color TFT LCD with LED backlight 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 V_{DC} wide range power support makes this product an e x cellent 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 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")
  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** — Phoeni x Jack - 10 ~ 30 V_{DC} input
  Optional e x ternal 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 e x tension
- **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 / 16.7M / 16.7M
- **Viewing Angle (H/V°)** — 160/140, 170/160, 170/160
- **Luminance (cd/m²)** — 400/350/350
- **Backlight Life (hrs)** — 50,000
- **Contrast Ratio** — 700:1 / 1000:1 / 1000:1

Touchscreen (Optional)

- **Sensor** — AMT
- **Driver** — Penmount 6000
- **Type** — 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 XP,Vista,7,8,XPe,CE and Linu x
- **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 IP65 compliant
- **Vibration** — 5 ~ 500 Hz, 1 Grms (Operating, Random)

Ordering Information

- **FPM-5191G-X0BE** — 19"SXGA Ind. Monitor
- **FPM-5191G-R3BE** — 19"SXGA Ind. Monitor w/Resistive TS(RS-232,USB)
- **FPM-5171G-X0BE** — 17"SXGA Ind. Monitor
- **FPM-5171G-R3BE** — 17"SXGA Ind. Monitor w/Resistive TS(RS-232,USB)
- **FPM-5151G-X0BE** — 15"XGA Ind. Monitor
- **FPM-5151G-R3BE** — 15"XGA Ind. Monitor w/Resistive TS(RS-232,USB)

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All product specifications are subject to change without notice

Date updated: 30-Sep-2014

Dimensions

Unit: [mm]

FPM-5191G:481.93(18.97)
FPM-5171G:481.93(18.97)
FPM-5151G:449.92(17.71)

FPM-5191G:7(0.28)
FPM-5171G:6(0.24)
FPM-5151G:6(0.24)

FPM-5191G:59(2.32)
FPM-5171G:55(2.17)
FPM-5151G:50.5(1.99)

FPM-5191G:445.92(17.56)
FPM-5171G:449.95(17.72)
FPM-5151G:421.86(16.61)

257.50(10.14)
100(3.94)
75(2.95)

FPM-5191G:384.60(15.14)
FPM-5171G:355.87(14.01)
FPM-5151G:315.63(12.43)

256.00(10.09)

75(2.95)
100(3.94)

FPM-5191G:334.52(13.17)
FPM-5171G:334.95(13.19)
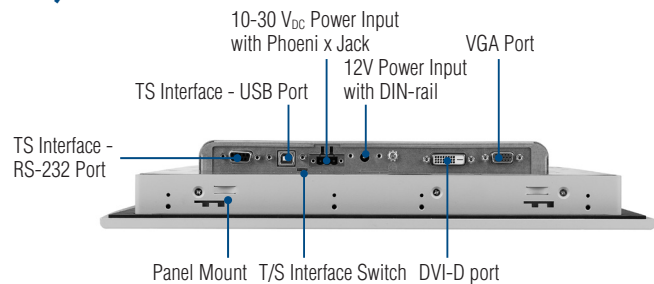FPM-5151G:290.86(11.46)

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")
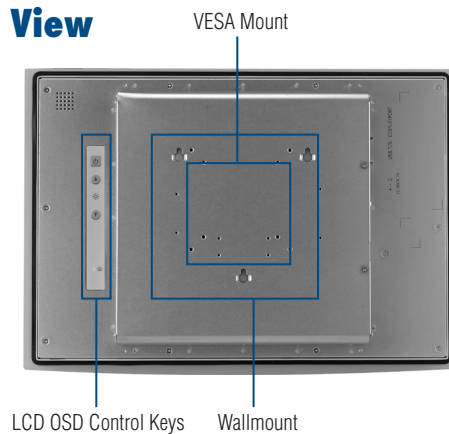
Accessories

- **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
- **1700000596**   Power Cable China/Australia Plug 1.8 M
- **1757003822**   ADAPTER 100-240V57W12V4.75A W/O PFC SPU63-105 L5

Note: VESA mounting screw length: M4 x 6mm

Front Accessible USB Port

I/O View

10-30 V$_{DC}$ Power Input with Phoeni x Jack

VGA Port

12V Power Input with DIN-rail

TS Interface - USB Port

TS Interface - RS-232 Port

Panel Mount   T/S Interface Switch   DVI-D port

Back View

VESA Mount

LCD OSD Control Keys   Wallmount