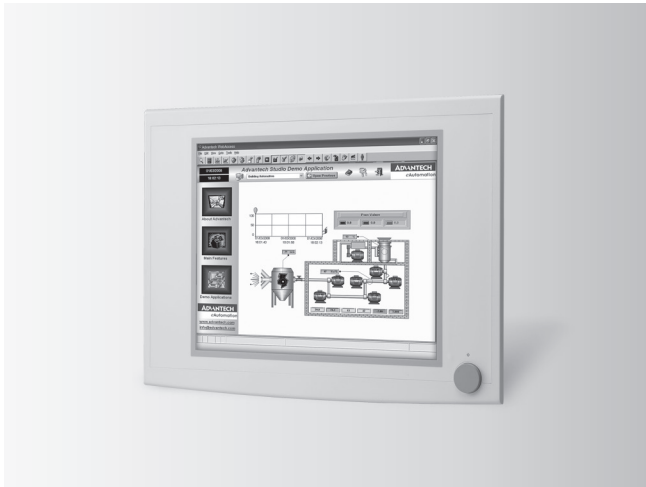# FPM-5191G
FPM-5171G
FPM-5151G

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 control
- 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 (switchable)
- Supports industrial 10-30 V_{DC} power input with Phoenix 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 and flat panel monitors that are specifically designed for industrial applications. With LCD 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 accessible USB connector provides easy access to the controller, and the industrial 10-30 V_{DC} 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 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: 481.93 x 355.87 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 side USB access for extension
- **Video Port** VGA & DVI-D
- **Weight (Net)** 6 kg (13.22 lbs)/7 kg (17.63 lbs)/9 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, 160/140, 170/160
- **Luminance (cd/m²)** 400/350/350
- **Backlight Life (hrs)** 50,000
- **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 a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
- **Light Transmission** > 80%
- **OS Support** Windows XP, Vista,7, 8,10,XPe and Linux
- **Power Consumption** +5 V @ 100 mA
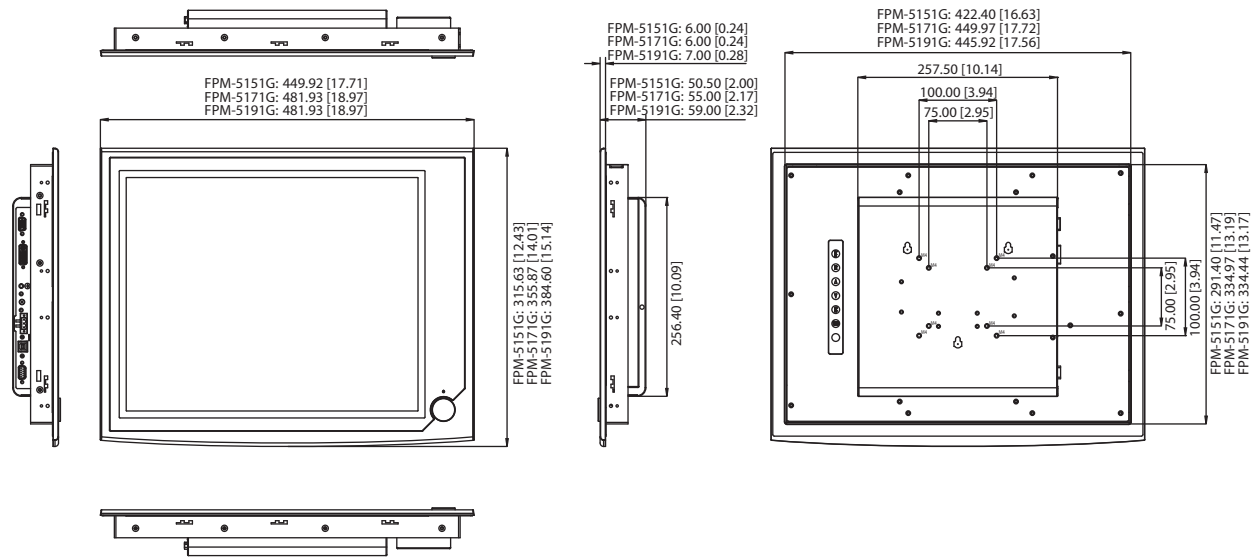- **Touch Resolution** Linearity

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 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]

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: 6.00 [0.24]
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]

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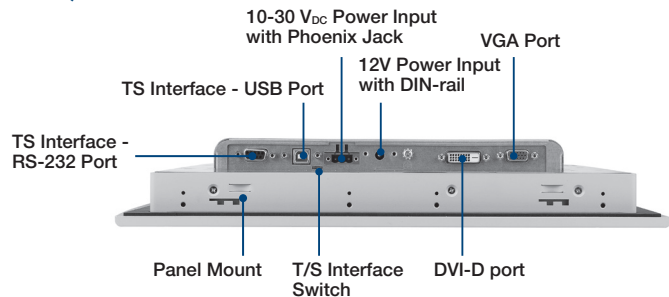FPM-5191G: 334.44 [13.17]

75.00 [2.95]
100.00 [3.94]

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")

Optional Accessories

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

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