

FPM-3121G

12.1" SVGA Industrial Monitor with Resistive Touchscreen, Direct-VGA, DVI and Wide Operating Temperature



Features

- 12.1" SVGA TFT LCD with LED backlight
- Robust anodized coated aluminum front bezel and stainless steel rear cover
- NEMA4/IP65 compliant front panel
- -20 to 60° C wide operating temperature
- Enhanced 5-wire resistive touch panel (FPM-3121G-R3AE)
- Direct VGA & DVI-D video input interfaces
- Combo RS-232 & USB interface for touchscreen (FPM-3121G-R3AE)
- Supports 19 ~ 30 VDC input and 100~240 VAC input (optional AC adapter)
- OSD control pad with lockable function on front panel
- Anti-reflective screen with tempered glass (FPM-3121G-X0AE)
- Energy Star certification
- Supports stainless steel front panel (optional)
- Supports panel, VESA, arm and desktop mounting
- Supports XGA TFT LCD up to 1024 x 768 (optional)

Introduction

The FPM-3121G is a particularly rugged and reliable 12.1" SVGA wide temperature industrial monitor for a variety of industry applications. Equipped with a hard anodized coating, stainless steel chassis, and -20 to 60° C operating temperature, it can satisfy demands in a wide range of harsh industrial applications. This model also features a strong capacitor, and enhanced 5-wire resistive touch and system isolation to enhance the reliability.

Specifications

General

- **Button Controls** OSD control pad on front side with lockable function
- **Certification** CE, FCC, UL, CB, BSMI, CCC
- **Dimension (W x H x D)** 312 x 224 x 60 mm
- **Enclosure** Front panel: Aluminum with hard anodized coating
Rear cover: Stainless steel chassis
- **Mounting** Panel, VESA arm, or wall & desktop mount with optional mounting kit
- **Power Input** Phoenix Jack - 19 ~ 30 VDC input
DC Jack - Optional external 57 W power adapter, with 100 ~ 240 VAC input and +12 VDC @ 4.75 A output
- **Power Consumption** 9 W
- **Video Port** VGA & DVI-D Port
- **Weight (Net)** 4.07 kg (8.975 lbs)

LCD Display

- **Display Type** SVGA TFT LCD
- **Backlight Type** LED
- **Display Size** 6.5"
- **Max. Resolution** 640 x 480
- **Max. Color** 16.2M (RGB 8-bit) or 262k colors (RGB 6-bit)
- **Viewing Angle (H/V°)** 160 / 140
- **Luminance (cd/m²)** 500
- **Operation Life (hrs)** 50,000
- **Contrast Ratio** 600:1

Touchscreen (Optional)

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

Environment

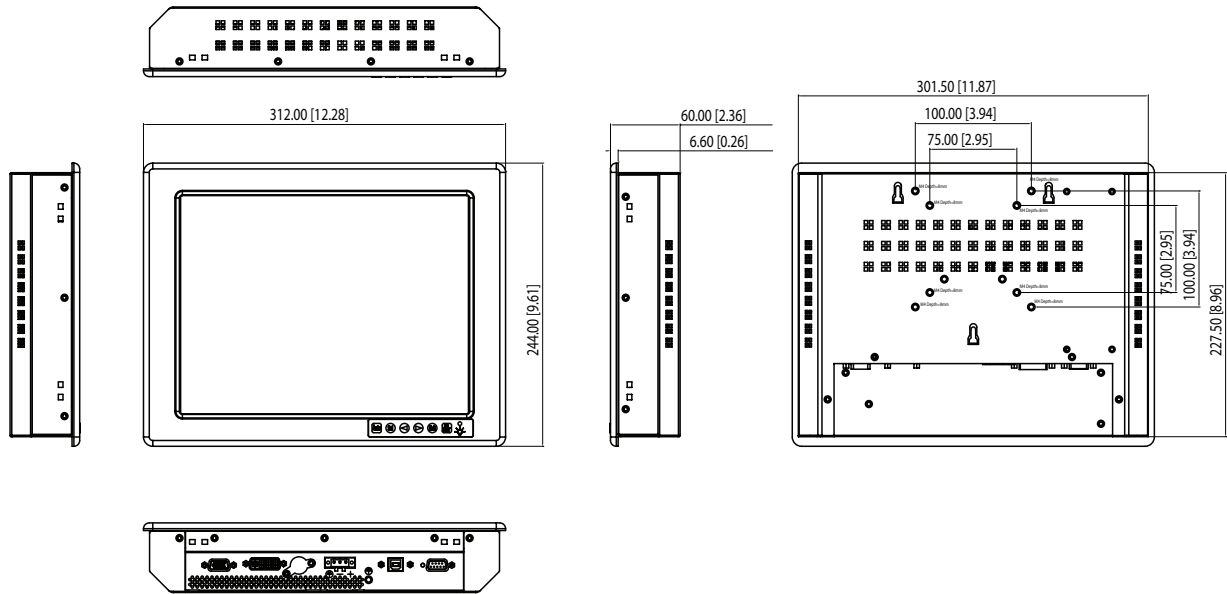
- **Operation Temperature** -20 ~ 60° C (-4 ~ 140° F)
- **Storage Temperature** -30 ~ 80° C (-22 ~ 176° F)
- **Humidity (Storage)** 10 ~ 95% non-condensing
- **Waterproof** Front panel is NEMA4/IP65 compliant
- **Shock** 11ms, 10G (Non Operating, Half Sine Wave)
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

Ordering Information

- **FPM-3121G-X0AE** 12.1" SVGA Ind. Monitor with Wide Temp
- **FPM-3121G-R3AE** 12.1" SVGA Ind. Monitor w/ Wide Temp, Resistive TS

Dimensions

Unit: mm

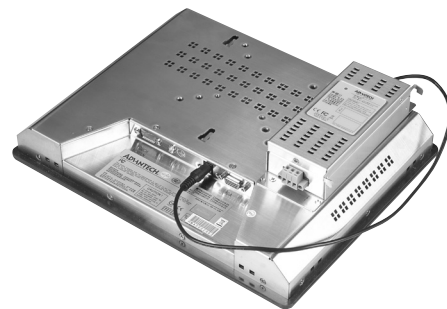


Panel Cut-out Dimensions: 303.5 x 229.5 mm (11.94" x 9.03")

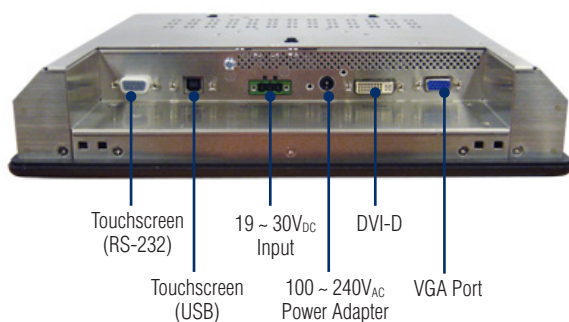
Accessories

- FPM-2150G-SMKE Mounting kit for desktop & wall
- 1700001524 Power Cable US Plug 1.8 M
- 170203180A Power Cable UK Plug 1.8 M
- 170203183C Power Cable EU Plug 1.8 M

Mounting with DC Source



I/O View



With Desktop Stand (FPM-2150G-SMKE)

