FPM-3121G

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

Features

- 12.1" SVGA LED backlight LCD with low power consumption
- Robust anodized coated aluminum front bezel and stainless steel rear cover
- Supports wide operating temperatures
- Increase reliability by enhanced 5-wire resistive touch sensor
- Anti-reflective screen with tempered glass
- Full enclosure ground isolation protection
- Supports VGA/DVI input, dual touch interfaces and two power inputs
- Front lockable OSD membrane keys with user-defined brightness setting
- Energy Star certification
- Front panel is IP65 compliant
- Supports panel, VESA, wall and desktop stand mounting

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 enhanced 5-wire resistive touch and system ground isolation protection to enhance the reliability. Lockable OSD keys on front panel with 2 user-defined contrast/brightness settings.

Specifications

General

Button Controls	OSD control pad on front side with lockable function. Two user-defined contrast/brightness settings
Certification	CE, FCC Class A, BSMI, CCC, UL, Energy Star
Dimension (W x H x D)	3312 x 224 x 60.5 mm (12.28" x 9.61" x 2.36")
Enclosure	Front panel: Aluminum with hard anodized coating. Rear cover: Stainless steel chassis. Ground Isolation Protection
Mounting	Panel, VESA arm, or wall & desktop mount with optional mounting kit
Power Input	Phoenix Jack: 24 V_{DC} input. DC Jack: external 57 W power adapter, with 100 ~ 240 V_{AC} input and +12 V_{DC} @ 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	12.1"
Max. Resolution	800 x 600
Max. Color	16.2M (RGB 8-bit) or 262k colors (RGB 6-bit)
Viewing Angle (H/V°)	160 / 140
Luminance (cd/m²)	450
Operation Life (hrs)	50,000
Contrast Ratio	700:1

Touchscreen (Optional)

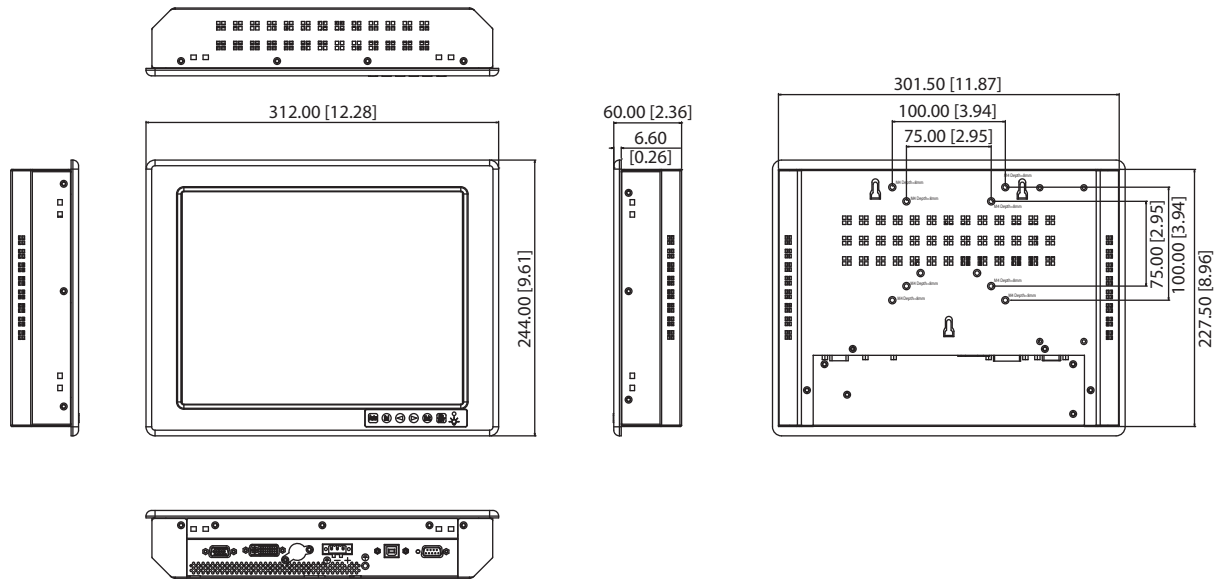|	
Sensor	AMT
Driver	Penmount 6000
Type	5-wire Resistive with enhanced ITO film
Interface	USB & RS-232 (Combo)
Lifespan	36 million with a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
Light Transmission	> 80%
OS Support	Windows 2000, XP, Vista, 7, XPe, CE and Linux
Power Consumption	+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 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
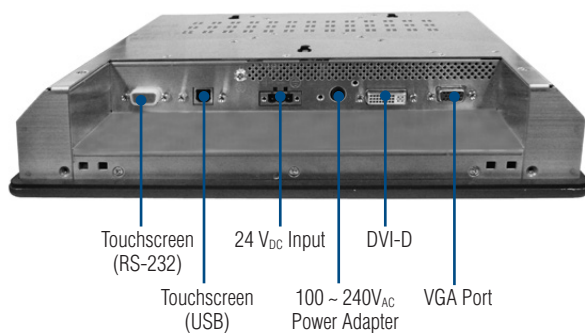
Dimensions

Unit: [mm]

312.00 [12.28]

60.00 [2.36]

6.60 [0.26]

244.00 [9.61]

301.50 [11.87]

100.00 [3.94]

75.00 [2.95]

75.00 [2.95]

100.00 [3.94]

227.50 [8.96]

Panel Cut-out Dimensions: 303.5 x 229.5 mm (11.95" x 9.04")

Accessories

- **FPM-2150G-SMKE** — Mounting kit for desktop stand & 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
- **1702031836** — Power Cable China/Australia Plug 1.8 M

I/O View

Touchscreen (RS-232)

Touchscreen (USB)

24 V_{DC} Input

100 ~ 240V_{AC} Power Adapter

DVI-D

VGA Port

Mounting Method

VESA Mount (75/100 mm)

Wall Mount

Power Adapter Mount

Desktop Stand Kit