FPM-3121G

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



Features

- 12.1" SVGA TFT LED LCD with 50,000 backlight life time
- 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-glare screen with tempered glass and IP65 certified front panel
- 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
- Front panel is IP65 compliant
- Supports panel, VESA, wall and desktop stand mounting







Introduction

The FPM-3121G is a particularly extremely rugged and reliable 12.1" SVGA wide temperature industrial monitor for various 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

Certification

OSD control pad on front side with lockable function Button Controls

> Two user-defined contrast/brightness settings CE, FCC Class A, BSMI, CCC, UL, Energy Star

Dimensions (W x H x D) 312 x 224 x 60 mm (12.28" x 8.82" 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 VDC input

DC Jack: 12 Vdc input

- Power Consumption 13W +20% Video Port VGA & DVI-D Port

Weight (Net) 4.07 kg (8.975 lbs)

LCD Display

 Display Type XGA TFT LCD Backlight Type I FD Display Size 12.1" Max. Resolution 1024 x 768 Max. Color 16.2M (RGB 8-bit) Viewing Angle (H/V°) 160 / 140 Luminance (cd/m²) 600

All product specifications are subject to change without notice

Touchscreen

Driver Penmount 6000

Type 5-wire Resistive with enhanced ITO film

Interface USB & RS-232 (Combo)

36 million with a silicone rubber of R8 finger, writing Lifespan

rate is by 250g at 2 times/s

Light Transmission

Windows XP,2000, Vista, 7,8/8.1,10, XP/7/8/10 OS Support

Embedded, CE, Linux

 Power Consumption +5 V @ 100 mA **Touch Resolution** Linearity

Environment

• Operation Temperature $-20 \sim 60^{\circ}\text{C} (-4 \sim 140^{\circ}\text{F})$ **Storage Temperature** $-30 \sim 80^{\circ}\text{C} (-22 \sim 176^{\circ}\text{F})$ **Humidity (Storage)** 90%@50°C non-condensing Waterproof Front panel is IP65 compliant

11ms. 10G (Non Operating, Half Sine Wave) Shock 5 ~ 500 Hz, 1 Grms (Operating, Random) Vibration

Ordering Information

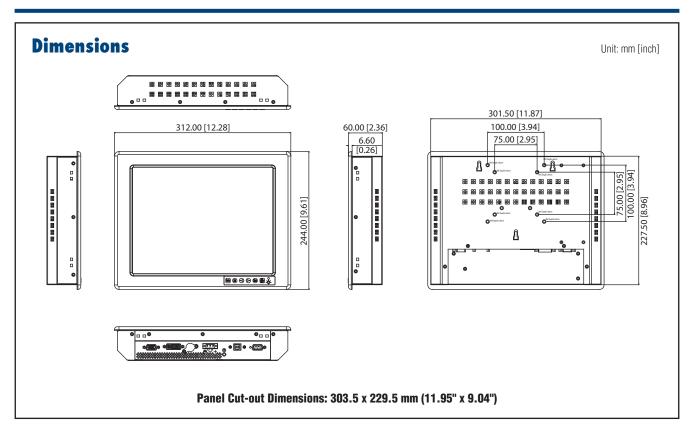
 FPM-3121-R3BE 12.1" SVGA Ind. Monitor w/ Wide Temp, Resistive TS

Operation Life (hrs)

Contrast Ratio

50.000

700:1



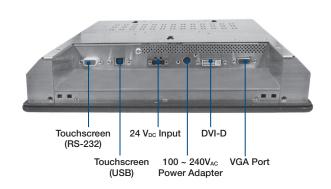
Optional Accessories

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

1702002600 Power Cable US Plug 1.8 M
1702031801 Power Cable UK Plug 1.8 M
1702002605 Power Cable EU Plug 1.8 M

170000596 Power Cable China/Australia Plug 1.8 M
96PSA-A60W12V1-1 Adapter 100-240V 60W 12V 5A
96PSA-A60W24T2 Adapter 100-240V 60W 24V 2.5
FPM-3000G-ADKE Adapter bracket for FPM-3000 12"

I/O View



Mounting Method

