**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**
- **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
- **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**: LED
- **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
- **Operation Life (hrs)**: 50,000
- **Contrast Ratio**: 700:1

**Touchscreen**
- **Driver**: Penmount 6000
- **Type**: 5-wire Resitive 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 XP, 2000, Vista, 7, 8/8.1, 10, Embedded, CE, 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)**: 90% @ 50°C 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-3121-R3BE**: 12.1" SVGA Ind. Monitor w/ Wide Temp, Resistive TS
Dimensions

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

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
- 170202605 Power Cable EU Plug 1.8 M
- 1700000596 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