FPM-3121G

12.1" XGA Industrial Monitor with **Resistive Touch Control, Direct VGA, DVI Ports. and Wide Operating Temperature**



Features

- 12.1" XGA TFT LED LCD with 50K backlight lifetime
- Robust anodized aluminum-coated front bezel and stainless steel rear cover
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- Increased reliability with enhanced 5-wire resistive touch sensor
- Anti-glare screen with tempered glass and IP65-certified front panel
- Ground isolation protection for entire system
- Supports VGA/DVI input, dual touch interfaces, and two power inputs
- Front-lockable OSD keys with user-defined functions
- IP65-rated front panel
- · Supports panel, VESA, wall, desktop, and stand mounting







Introduction

The FPM-3121G is an extremely rugged and reliable 12.1" XGA industrial monitor aimed at diverse industrial applications. Equipped with a hard anodized-aluminum coating, stainless steel chassis, and wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F), FPM-3151G can withstand operation in a wide range of harsh industrial environments. This monitor also features enhanced 5-wire resistive touch control and overall ground isolation protection to enhance the system's reliability. Additionally, the FPM-3121G is equipped with lockable OSD keys on the front panel that control two user-defined function settings.

Specifications

General

Certification

OSD Controls OSD control pad on front side with lockable function

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 in)

Front panel: Aluminum with hard anodized coating Enclosure

> Rear cover: Stainless steel chassis with ground isolation protection

Mount Options Panel, VESA arm, wall, or desktop with optional

mounting kit

 Power Input Phoenix Jack: 24 V_{DC} input

DC Jack: 12 VDC input

 Power Consumption 13W +20% VGA & DVI-D Port Video 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 16.2M (RGB 8-bit) Max. Color

Viewing Angle (H/V °) 160 / 140 Luminance (cd/m²) 600 Operation Life 50,000 hr Contrast Ratio 700:1

Touchscreen

Driver Penmount 6000

Tvpe 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

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

• Operating Temperature $-20 \sim 60 \,^{\circ}\text{C} \, (-4 \sim 140 \,^{\circ}\text{F})$ Storage Temperature -30 ~ 80 °C (-22 ~ 176 °F) Humidity (Storage) 90%@50 °C non-condensing IP Rating 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-R3BE 12.1" SVGA Ind. Monitor w/ Wide Temp, Resistive TS

Optional Accessories

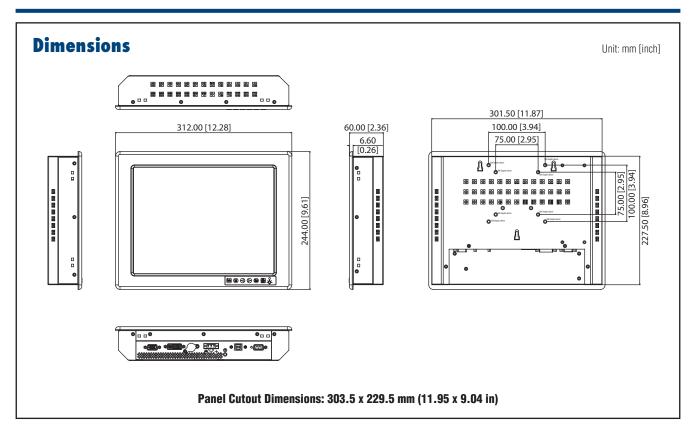
■ FPM-1000T-SMKE Desktop/Wall Mounting kit for FPM series

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

1700000596-11 Power Cable China/Australia Plug 1.8 M PWR-247-DE Adapter 100-240V 60W 24V 2.5 FPM-3000G-ADKE Adapter bracket for FPM-3000 12"



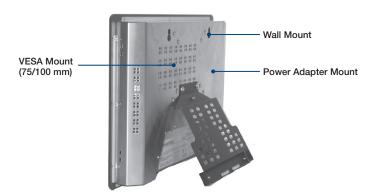




I/O View

24 V_{DC} Input DVI-D Touchscreen (RS-232) Touchscreen 100 ~ 240V_{AC} VGA Port (USB) Power Adapter

Mounting Method



Packing list

Item	Part No.	Description	Qty
Cable lock for adapter	1960049101N000	BRACKET PLUG FOR FPM-3121G	1
Cable lock for adapter	1930001361	Screw M3x4L S/S D=5 H=1.2 (2+) ST Ni NK	8
Clamper	1962055040	CLAMPER PPC-55 M1632611 A2	8
Clamper screw	1935042520	Screw M4*25L R/S D=8.3 H=2.5 + ST BZn	8
GND cable	1703011001-11	A Cable G-TEM. 100CM C=GR/Y PPC-55	1
VGA cable	1700021332-01	M CABLE D-SUB 15P(M)/D-SUB 15P(M) 180CM VESA B1	1
USB touch Cable	1700017851-01	M Cable USB-A(M)/USB-B(M) 180CM black color	1
RS232 cable	1700091800	M Cable D-SUB 9P(M)/D-SUB 9P(F) 183CM	1