FPM-3151G

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

Features

- 15" XGA 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-3151G is a particularly rugged and reliable 15" XGA 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. FPM-3151G also provides lockable OSD keys on the front panel with two user-defined contrast/brightness settings.

Specifications

General

- **Button Controls** — OSD control pad on front panel 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)** — 422 x 310 x 70 mm (16.61" x 12.2" x 2.76")
- **Enclosure** — Front panel: Aluminum with hard anodizing coating
  Rear cover: Stainless steel
  Ground Isolation Protection
- **Mounting** — Panel, wall, desktop, VESA arm, or 19" rackmount with optional mounting kit
- **Power Input** — Phoeni x Jack: 24 V_{DC} input
  DC Jack: e x ternal 57 W power adapter, with 100 ~ 240 V_{AC} input and 12 V_{DC} @ 4.75 A output
- **Power Consumption** — 12W
- **Video Port** — VGA & DVI-D Port
- **Weight (Net)** — 7.73 kg (17.04 lbs)

LCD Display

- **Display Type** — XGA TFT LCD
- **Backlight Type** — LED
- **Display Size** — 15"
- **Max. Resolution** — 1024 x 768
- **Max. Color** — 16.2M (RGB 8-bit)
- **Viewing Angle (H/V°)** — 160/140
- **Luminance (cd/m²)** — 350
- **Backlight Life (hrs)** — 50,000
- **Contrast Ratio** — 700:1

Touchscreen (Optional)

- **Driver** — Penmount 6000
- **Type** — 5-wire resistive with enhanced ITO film
- **Interface** — USB & RS-232 (Combo)
- **Lifespan** — 36 million with a silicone rubber R8 finger, writing rate is by 250g at 2 times/s
- **Light Transmission** — > 80%
- **OS Support** — Windows XP,Vista,7,8,XPe,CE and Linu x
- **Power Consumption** — +5 V @ 100 mA
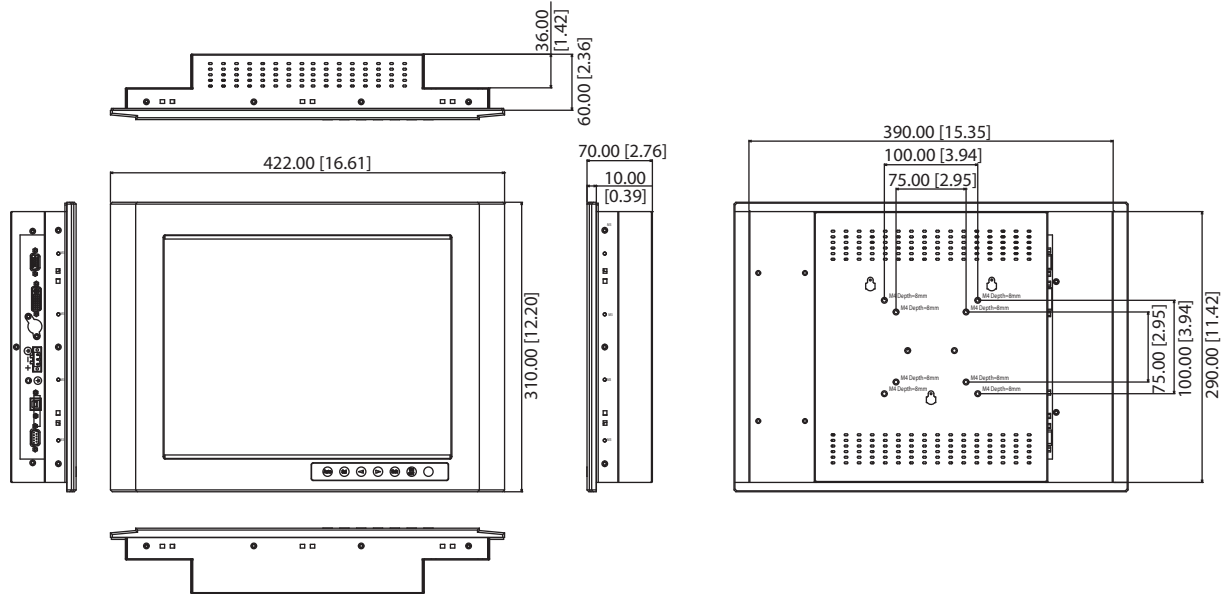- **Touch Resolution** — Linearity

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-3151G-X0AE** — 15" XGA Ind. Monitor with Wide Temp
- **FPM-3151G-R3AE** — 15" XGA Ind. Monitor w/ Wide Temp, Resistive TS
- **FPM-3151SR-R3AE** — 15" XGA Ind. Monitor w/ Sunlight Readable Display

Dimensions

Unit: mm [inch]

36.00 [1.42]
60.00 [2.36]
422.00 [16.61]
310.00 [12.20]
70.00 [2.76]
10.00 [0.39]
390.00 [15.35]
100.00 [3.94]
75.00 [2.95]
M4 Depth=8mm
M4 Depth=8mm
M4 Depth=8mm
M4 Depth=8mm
M4 Depth=8mm
M4 Depth=8mm
75.00 [2.95]
100.00 [3.94]
290.00 [11.42]

Panel Cut-out Dimensions: 396 x 296 mm (15.59" x 11.65")

Accessories

- **FPM-3151G-RMKE**   Mounting kit for 19" industrial rack
- **1702002600**   Power Cable US Plug 1.8 M
- **1702002605**   Power Cable EU Plug 1.8 M
- **1702031801**   Power Cable UK Plug 1.8 M
- **1700000596**   Power Cable China/Australia Plug 1.8 M
- **FPM-2120G-SMKE**   FPM-2120G/2150G/2170G Stand Kit

Rack Mount (FPM-3151G-RMKE)

I/O View

100 ~ 240 V_{AC} Power Adapter

24 V_{DC} Input

VGA Port

DVI-D

Touch Screen (RS-232)

Touch Screen (USB)