# FPM-3151G

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

## Features

- 15" XGA TFT LCD with LED backlight
- Robust anodizing coated aluminum front bezel and stainless steel rear cover
- NEMA4/IP65 compliant front panel
- -20 ~ 60° C wide operating temperature
- Enhanced 5-wire resistive touch panel (FPM-3151G-R3AE)
- Direct VGA & DVI-D video input interface
- Combo RS-232 & USB interface for touchscreen function (FPM-3151G-R3AE)
- Supports 19 ~ 30 VDC input and 100~240 VAC input (optional AC adapter)
- OSD control pad with lockable function on front panel
- Anti-reflective screen with tempered glass (FPM-3151G-X0AE)
- Energy Star certification
- Supports stainless steel front panel (optional)
- Supports Panel, VESA, arm and desktop 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 a strong capacitor, and enhanced 5-wire resistive touch and system isolation to enhance the reliability.

## Specifications

### General

- **Button Controls** — OSD control pad on front panel with lockable function
- **Certification** — CE,FCC,UL,CB,BSMI,CCC
- **Dimension (W x H x D)** — 422 x 310 x 70 mm
- **Enclosure** — Front panel: Aluminum with hard anodizing coating
  Rear cover : Stainless steel
- **Mounting** — Panel, wall, desktop, VESA arm, or 19" rackmount with optional mounting kit
- **Power Input** — 19 ~ 30 VDC input
  DC Jack - Optional external 57 W power adapter, with 100 ~ 240 VAC input and 12 VDC @ 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
- **Display Size** — 15"
- **Max. Resolution** — 1024 x 768
- **Max. Color** — 16.2M (RGB 8-bits) or 262k colors (RGB 6-bits)
- **Viewing Angle (H/V°)** — 160/140
- **Luminance (cd/m²)** — 350
- **Backlight 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 R8 finger, writing rate is by 250g at 2 times/s
- **Light Transmission** — > 80%
- **OS Support** — Windows® 7, XP, Vista, XPe, CE, and Linux
- **Power Consumption** — +5 V @ 100 mA
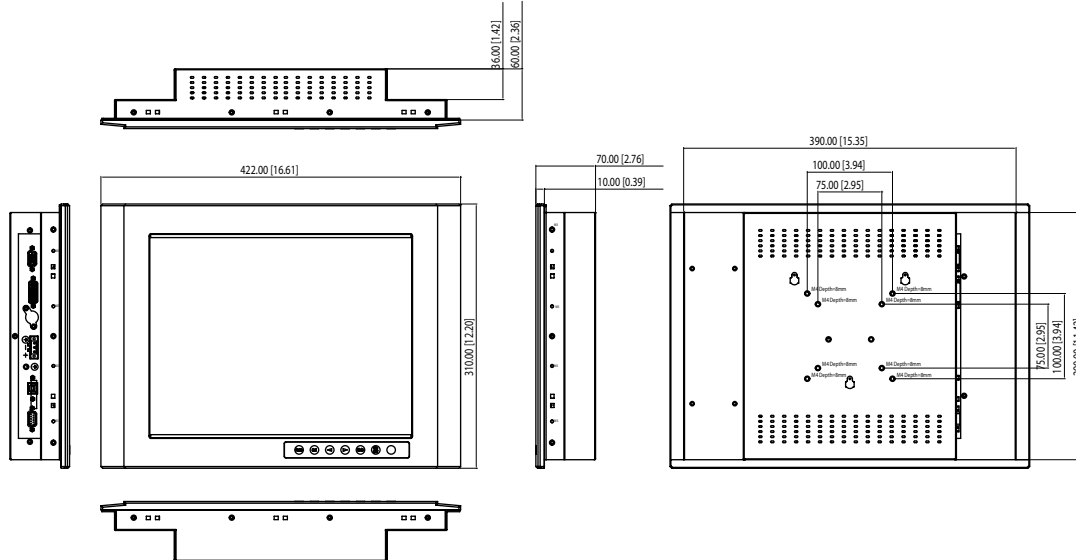- **Touch Resolution** — Linearity

### 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 NEMA4/IP65 compliant
- **Shock** — 11ms, 10G (Non Operating, Half Sine Wave)
- **Vibration** — 5 ~ 500 Hz, 1 Grms (Operating, Random)

## Ordering Information

- **FPM-3151G-X0AE** — 15" SVGA Industrial wide temp. monitor
- **FPM-3151G-R3AE** — 15" SVGA Industrial wide temp. monitor w/resistive TS

## Dimensions

Unit: mm
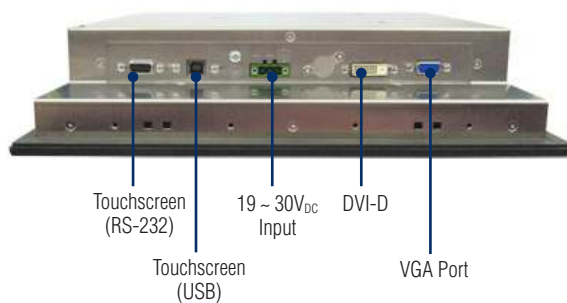


**Panel Cut-out Dimensions: 396 x 296 mm (15.6" x 11.6")**

## 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
- **1702031836**    Power Cable China/Australia Plug 1.8 M

## Rack Mount (FPM-3151G-RMKE)



## I/O View



Touchscreen (RS-232)

Touchscreen (USB)

19 ~ 30$V_{DC}$ Input

DVI-D

VGA Port

## Mounting with DC Source