

# FPM-8151H

## 15" XGA Industrial Monitor for Hazardous Location, with 316L Stainless Steel Front Panel



### Features

- 15" XGA TFT LCD with LED backlight
- Stainless steel 316L front panel
- IP65 compliant front panel
- -20 ~ 60°C (-4 ~ 140°F) wide operating temperature range
- Enhanced 5-wire resistive touch panel
- Direct VGA & DVI-D video input interface
- Combo RS-232 & USB interface for touchscreen function
- Supports 24 VDC input and 100~240 VAC input (optional AC adapter)
- OSD control pad with lockable function on front panel
- Certified with UL CID2 for hazardous environments

### Introduction

The FPM-8151H is a particularly rugged and reliable 15" XGA wide temperature industrial monitor for a variety of industry applications. Equipped with a wide operating temperature range of -20 ~ 60°C (-4 ~ 140°F), it can satisfy demands in a wide range of harsh industrial applications. This model also features enhanced 5-wire resistive touch and system isolation to enhance the reliability. Moreover, FPM-8151H is designed to be safely operated in these locations and is Certified with UL Class I Division 2 for hazardous environments.

### Specifications

#### General

- **Button Controls** OSD control pad on front panel with lockable function  
2 user-defined contrast/brightness settings
- **Certification** CE, FCC Class A, UL C1D2, CB, BSMI, CCC
- **Dimensions (W x H x D)** 422 x 338 x 68 mm (16.61" x 13.31" x 2.68")
- **Enclosure** Front panel: 316L Stainless steel  
Rear cover: Stainless steel  
Ground Isolation Protection
- **Mounting** Panel, wall, desktop, VESA arm
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with  
100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 4.75 A output  
(Optional)
- **Power Consumption** 12W
- **Video Port** VGA & DVI-D Port
- **Weight (Net)** 8.5 kg (18.74 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-bits)
- **Viewing Angle (H/V°)** 160/140
- **Luminance (cd/m2)** 350
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700:1

#### Touchscreen

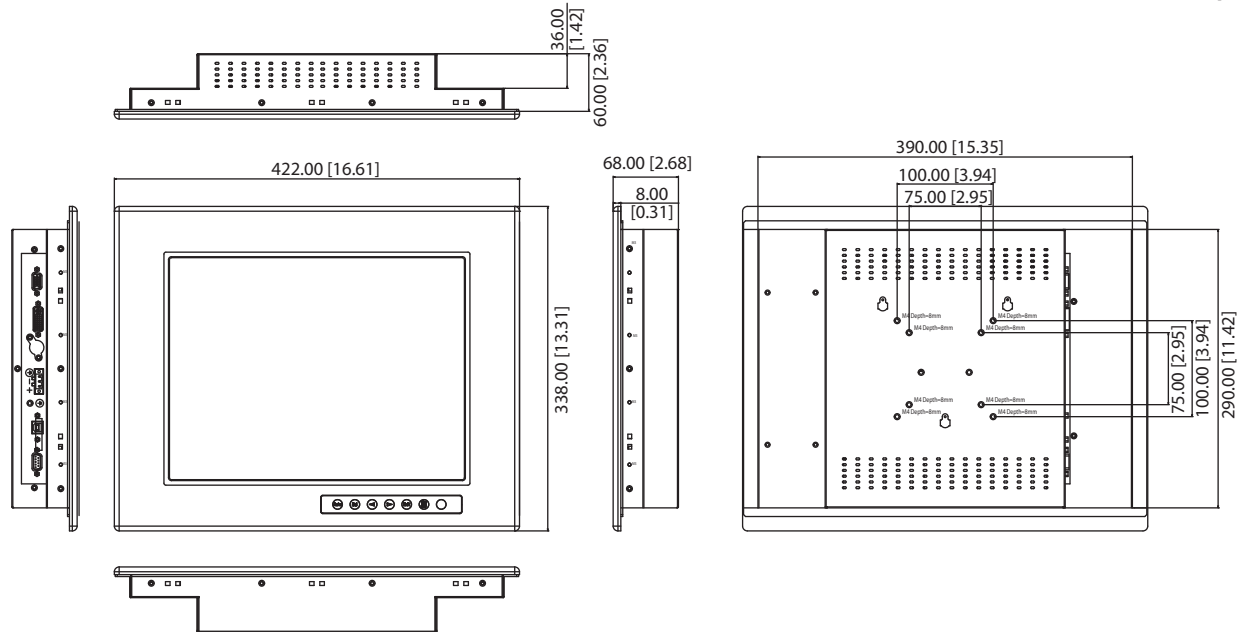
- **Sensor** AMT
- **Driver** Penmount 6000
- **Type** 5-wire resistive with enhanced ITO film
- **Interface** USB & RS-232 (Combo)
- **Lifespan** 36 million with a silicone rubber R8 finger,  
writing rate is by 250g at 2 times/s
- **Light Transmission** > 80%
- **OS Support** Windows 2000, XP, Vista, 7, 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 IP65 compliant
- **Shock** 11ms, 10G (Non Operating, Half Sine Wave)
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

## Dimensions

Unit: mm [inch]



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

## Ordering Information

- **FPM-8151H-R3BE** 15" XGA Ind. Monitor VGA, DVI, Wide Temp

## Optional Accessories

- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1702031801** Power Cable China/Australia Plug 1.8 M
- **96PSA-A60W12V1-1** ADAPTER 100-240V57W12V4.75A W/O PFC SPU63-105 L5
- **FPM-1000T-SMKE** Desktop/Wall Mounting kit for FPM series
- **FPM-3151G-RMKE** Rack-Mount Kit

## I/O View

