

# FPM-8151H

15" XGA Industrial Monitor with  
316L Stainless Steel Front Panel for  
Hazardous Environments



## Introduction

The FPM-8151H is a rugged and reliable 15" XGA, wide-temperature industrial monitor aimed at diverse applications. With support for a wide operating temperature range (-20 ~ 60°C/-4 ~ 140°F) and UL Class I, Division 2, certification for hazardous environments, FPM-8151H is built to withstand operation in harsh industrial environments. The FPM-8151H monitor also features enhanced 5-wire resistive touch control and system isolation for enhanced reliability.

## Specifications

### General

- **Button Controls** OSD control pad on front panel with lockable function
- **Certification** 2 user-defined contrast/brightness settings
- **Dimensions (W x H x D)** CE, FCC Class A, UL C1D2, CB, BSMI, CCC
- **Dimensions (W x H x D)** 422 x 310 x 70 mm (16.61 x 12.2 x 2.76 in)
- **Enclosure** Front panel: 316L Stainless steel
- **Mount Options** Rear cover: Stainless steel with ground isolation protection
- **Power Input** Panel, wall, desktop, VESA arm
- **Power Consumption** Phoenix Jack: 24 V<sub>DC</sub> input
- **Video Port** DC Jack: external 60 W power adapter, with 100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 5A output (Optional)
- **Weight (Net)** 12W
- **Weight (Net)** 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/m<sup>2</sup>)** 350
- **Backlight Life** 50,000 hr
- **Contrast Ratio** 700:1

## 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 V<sub>DC</sub> input and 100~240 V<sub>AC</sub> input (optional AC adapter)
- OSD control pad with lockable function on front panel
- UL CID2 certified for hazardous environments

### Touchscreen

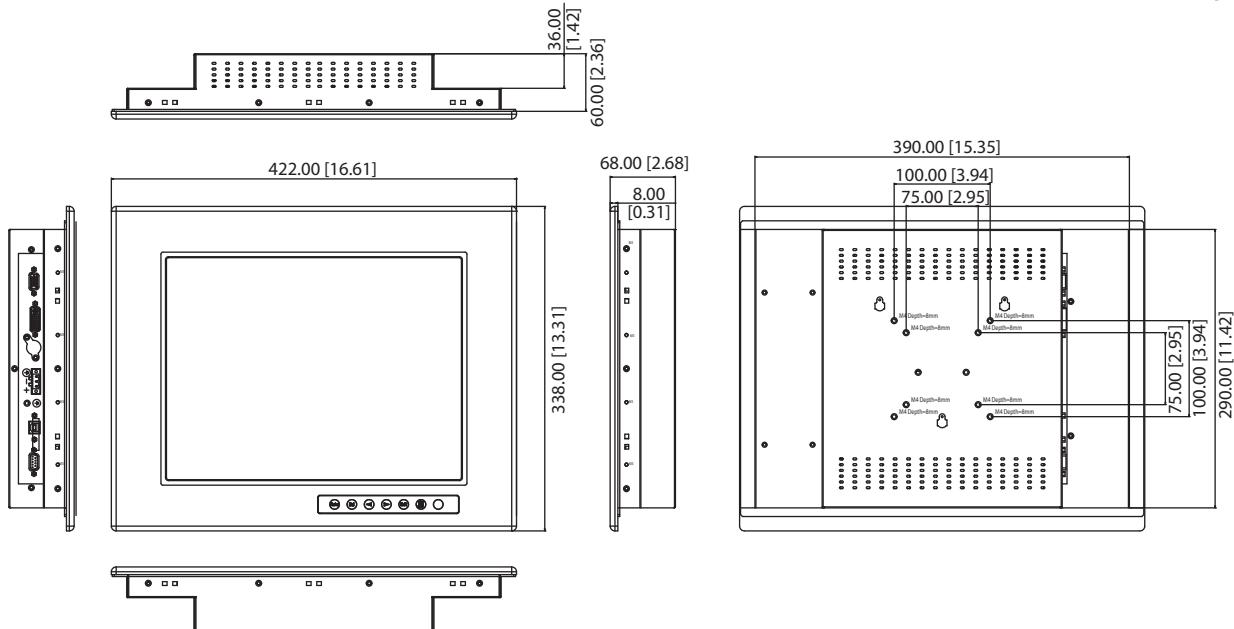
- **Sensor** AMT
- **Driver** Penmount 6000
- **Type** 5-wire resistive with enhanced ITO film
- **Interface** USB & RS-232 (Combo)
- **Lifespan** 36 million with a silicone rubber R8 finger, writing rate is by 250g at 2 times/s
- **Light Transmission** > 80%
- **OS Support** Windows 2000, XP, Vista, 7, XPe, CE and Linux
- **Power Consumption** +5 V @ 100 mA
- **Touch Resolution** Linearity

### Environment

- **Operating 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 Cutout Dimensions: 396 x 296 mm (15.59 x 11.65 in)

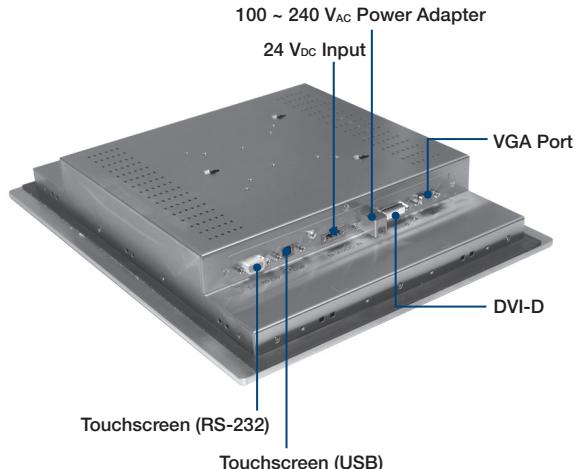
## Ordering Information

- **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
- **1702031836** Power Cable China/Australia Plug 1.8 M
- **96PSA-A60W12V1-1** ADP A/D 100-240V 60W 12V C14 DC PLUG 180°
- **FPM-1000T-SMKE** Desktop/Wall Mounting kit for FPM series
- **FPM-3151G-RMKE** Rack-Mount Kit

## I/O View



## Packing List

Item	Part No.	Depiction	Qty
CD-ROM	2063P30000	CD-ROM for FPM-3000 Series V1.0	1
Warranty	2190000902	CARDBOARD-WARRANTY REV. A2	1
UM	2003315110	Simplified Chinese Manual for FPM-3151 1st	1
Cable	1700017851-01	M Cable USB-A(M)/USB-B(M) 180CM	1
Cable	1700091800	M Cable D-SUB 9P(M)/D-SUB 9P(F)	1
Cable	1700021332-11	M CABLE D-SUB 15P(M)/D-SUB 15P(M) 180CM VESA B1	1
Cable	1703011001-11	A Cable G-TEM 4.3 100CM C=GR/Y	1
BRACKET	1960049101N000	BRACKET PLUG FOR FPM-3121G	1
screw	1930001361	S/S D=5 H=1.2+M 3X4L ST Ni NK PDC A1	1
Plug-In Block	1652007930-01	HOUSING 5.08MM 3P 90D(M) 2ESDVM-03P	1