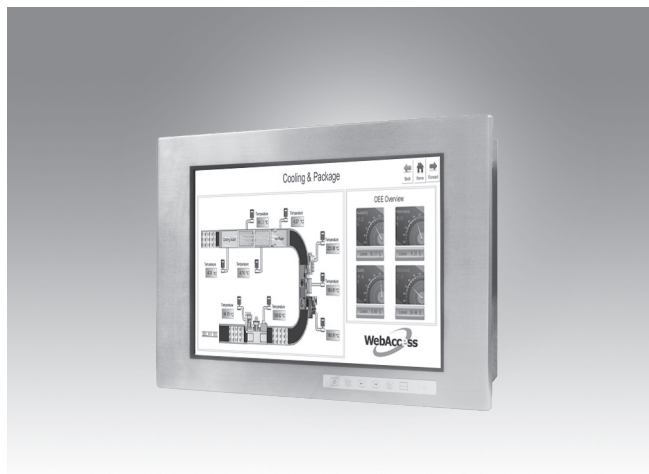# FPM-8151H

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

## 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 $V_{DC}$ input and 100~240 $V_{AC}$ input (optional AC adapter)
- OSD control pad with lockable function on front panel
- UL CID2 certified 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 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 in)
- **Enclosure** — Front panel: 316L Stainless steel
  Rear cover: Stainless steel with ground isolation protection
- **Mount Options** — Panel, wall, desktop, VESA arm
- **Power Input** — Phoenix Jack: 24 $V_{DC}$ input
  DC Jack: external 60 W power adapter, with 100 ~ 240 $V_{AC}$ input and 12 $V_{DC}$ @ 5A 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** — 50,000 hr
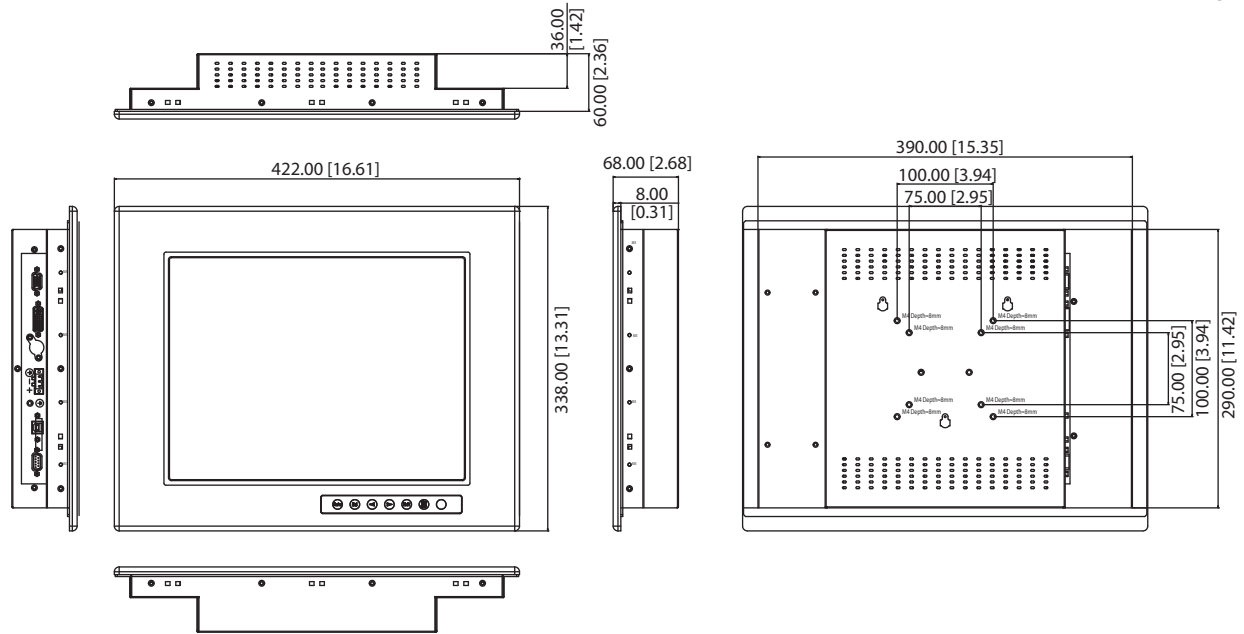- **Contrast Ratio** — 700:1

### 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

- **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]

36.00 [1.42]
60.00 [2.36]

422.00 [16.61]

68.00 [2.68]

8.00 [0.31]

338.00 [13.31]

390.00 [15.35]
100.00 [3.94]
75.00 [2.95]

75.00 [2.95]
100.00 [3.94]
290.00 [11.42]

M4 Depth=8mm
M4 Depth=8mm
M4 Depth=8mm
M4 Depth=8mm
M4 Depth=8mm
M4 Depth=8mm

**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

100 ~ 240 $V_{AC}$ Power Adapter

24 $V_{DC}$ Input

VGA Port

DVI-D

Touchscreen (RS-232)

Touchscreen (USB)