FPM-8151H

15" XGA Industrial Monitor with 316L Stainless Steel front panel, Direct-VGA, DVI Ports, and Wide Operating Temperature

NEW

Features

- 15" XGA TFT LCD with LED backlight
- Stainless steel 316L front panel
- NEMA4/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
- Meets hazardous requirements with UL CID2 certification
- Meets hazardous requirements with ATEX Class I, Zone 2 certification (in progress)

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 undergoing certification to be UL listed for Hazardous Locations with Class I, Division 2 and ATEX Class I, Zone 2.

Specifications

General

- **Button Controls** — OSD control pad on front panel with lockable function 2 user-defined contrast/brightness settings
- **Certifications** — CE, FCC Class A, UL, CB, BSMI, CCC
- **Dimension (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, or 19" rackmount with optional mounting kit
- **Power Input** — Phoenix Jack: 24 V_{DC} input
  DC Jack: external 57 W power adapter, with 100 ~ 240 V_{AC} input and 12 V_{DC} @ 4.75 A output (Optional)
- **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-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

- **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
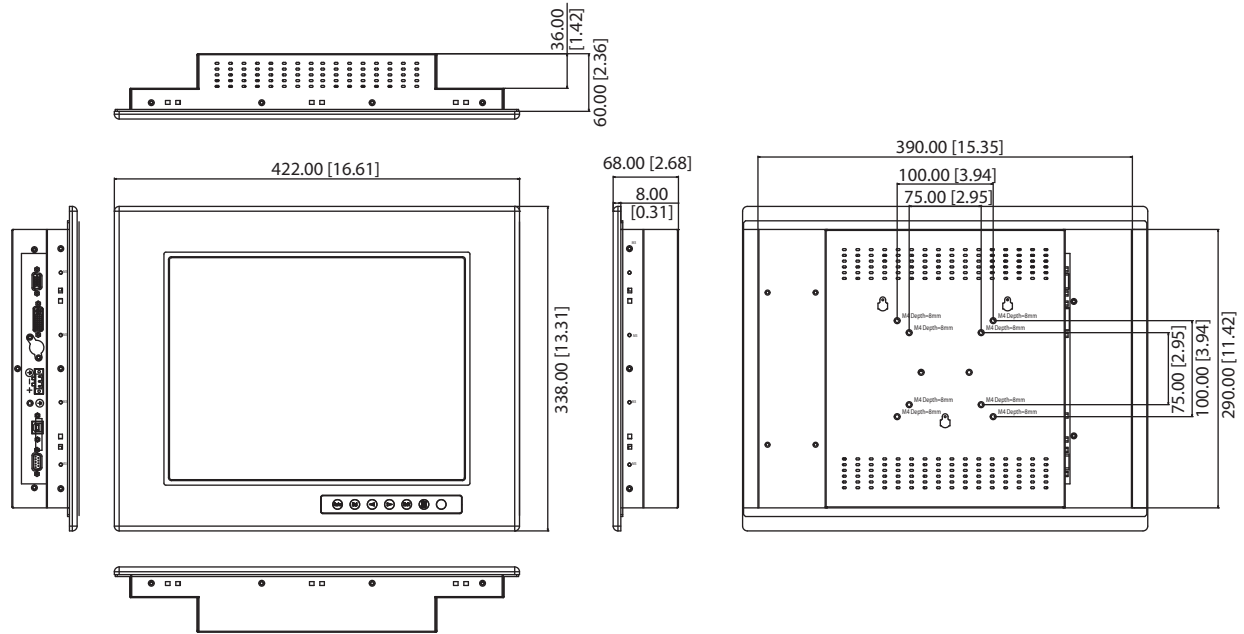- **Touch Resolution** — Linearity

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

Ordering Information

- **FPM-8151H-R3AE** — 15" XGA Ind. Monitor VGA, DVI, Wide Temp

Dimensions

Unit: mm

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]

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

- **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
- **1757002742**   Adapter AC 90-264V, 57W, SPU63-105

I/O View

100 ~ 240 V_{AC} Power Adapter

24 V_{DC} Input

VGA Port

DVI-D

Touch Screen (RS-232)

Touch Screen (USB)