FPM-8151H

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

NEW

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_{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)	8.5 kg (18.74 lbs)

LCD Display

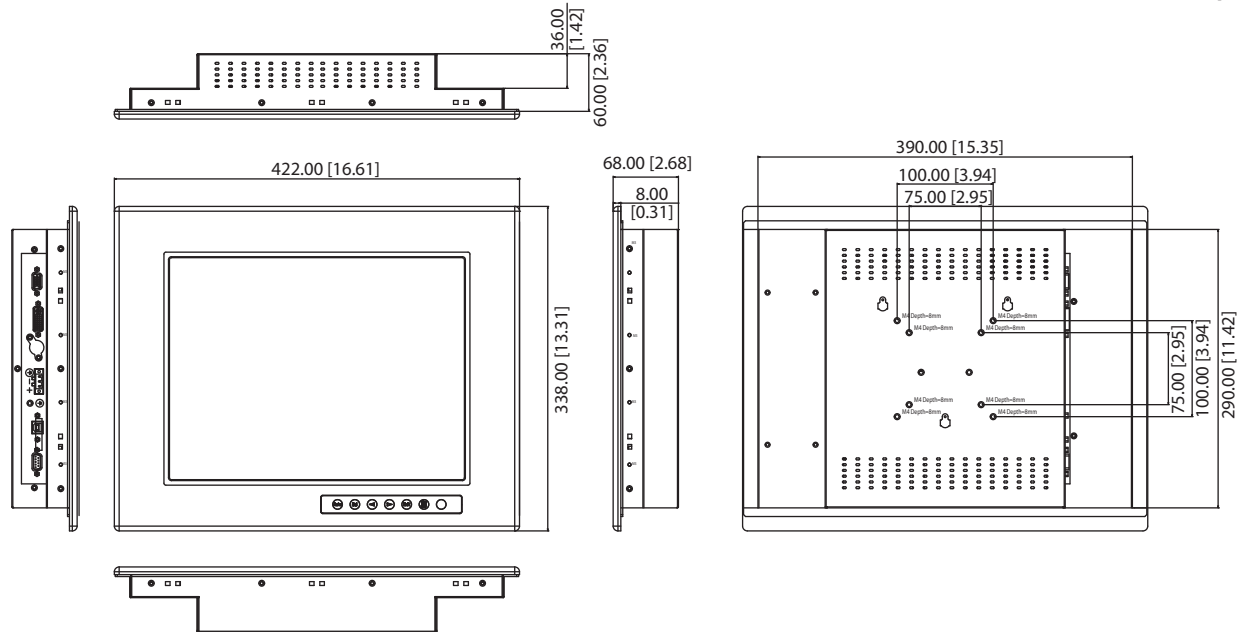|	
Display Type	XGA TFT LCD
Backlight Type	LED
Display Size	15"
Max. Resolution	1024 x 768
Max. Color	16.2M (RGB 8-bits)
Viewing Angle (H/V°)	160/140
Luminance (cd/m2)	350
Backlight Life (hrs)	50,000
Contrast Ratio	700:1

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]

36.00 [1.42]
60.00 [2.36]

422.00 [16.61]

338.00 [13.31]

68.00 [2.68]

8.00 [0.31]

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

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")
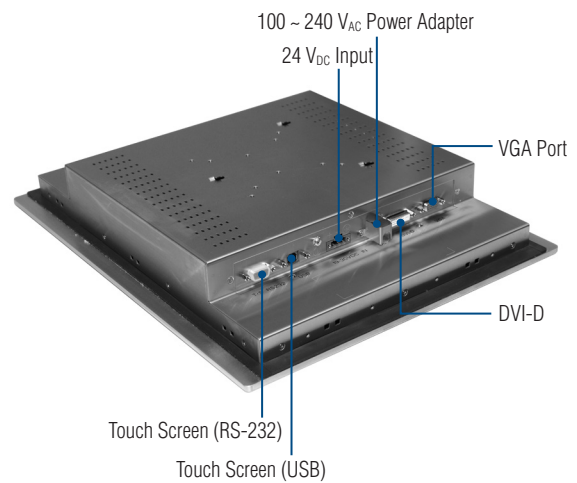
Ordering Information

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

Accessories

- **FPM-2150G-SMKE**   Mounting kit for desktop stand & wall
- **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**   ADAPTER 100-240V57W12V4.75A W/O PFC SPU63-105 L5

I/O View

100 ~ 240 V_{AC} Power Adapter

24 V_{DC} Input

VGA Port

DVI-D

Touch Screen (RS-232)

Touch Screen (USB)

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