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 PortVGA & DVI-D PortWeight (Net)8.5 kg (18.74 lbs)

LCD Display

Display Type
 Backlight Type
 Display Size
 Max. Resolution

XGA TFT LCD
LED
15"
1024 x 768

Max. Color
 Viewing Angle (H/V°)
 16.2M (RGB 8-bits)
 160/140

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%

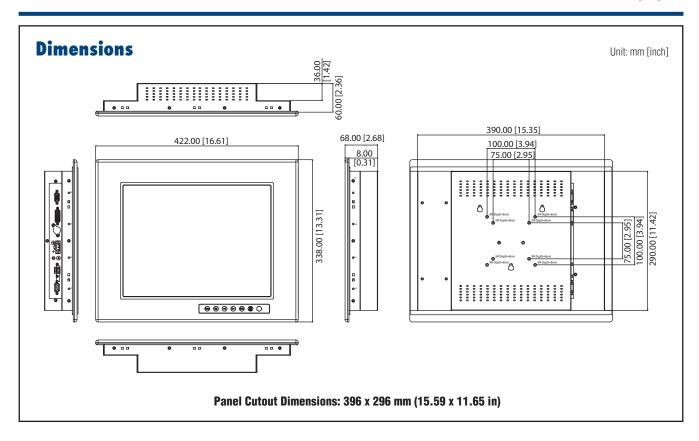
OS Support
 Windows 2000, XP, Vista, 7, XPe, CE and Linux

Power Consumption +5 V @ 100 mA
 Touch Resolution Linearity

Environment

Operating Temperature
 Storage Temperature
 Humidity (Storage)
 Waterproof
 -20 ~ 60 °C (-4 ~ 140 °F)
 -30 ~ 80 °C (-22 ~ 176 °F)
 10 ~ 95% non-condensing
 Front panel is IP65 compliant

Shock 11ms, 10G (Non Operating, Half Sine Wave)
 Vibration 5 ~ 500 Hz, 1 Grms (Operating, Random)



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

