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 310 x 70 mm (16.61 x 12.2 x 2.76 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

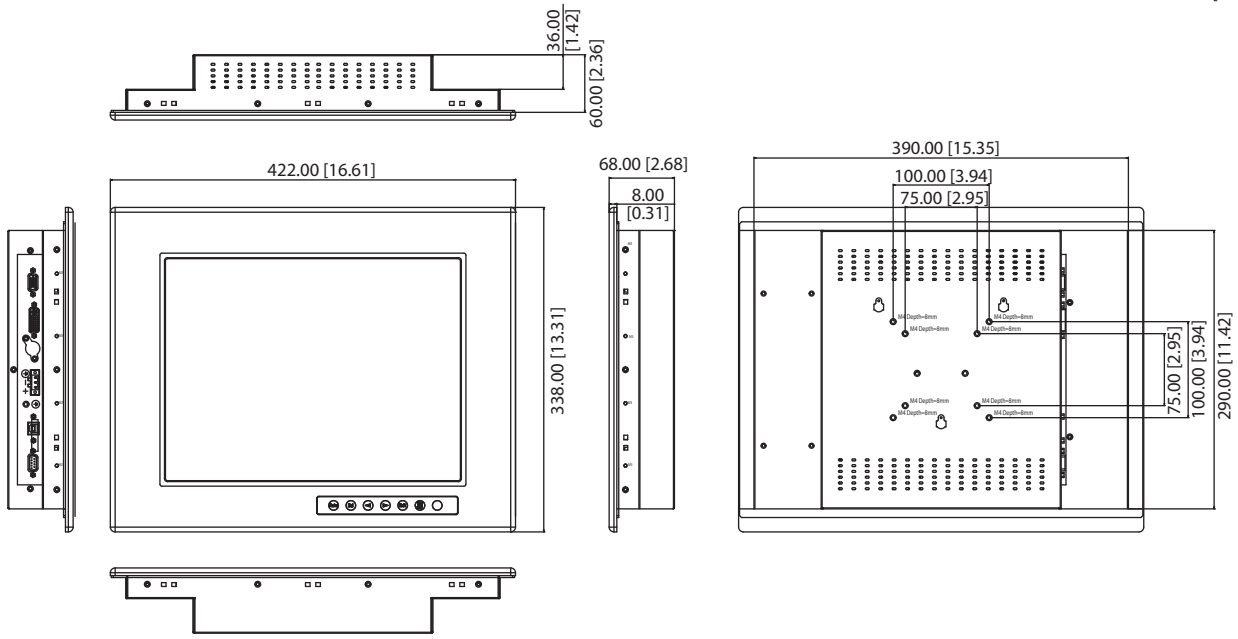
Environment

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)

All product specifications are subject to change without notice.

Dimensions

Unit: mm [inch]



Panel Cutout Dimensions: 396 x 296 mm (15.59 x 11.65 in)

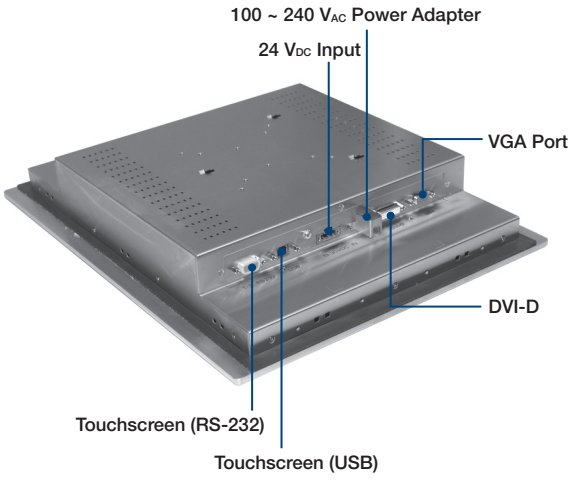
Ordering Information

- **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