FPM-3151G

15" XGA Industrial Monitor with Resistive Touchscreen, Direct-VGA, DVI Ports, and Wide Operating Temperature

Features

- 15" XGA TFT LED LCD with 50,000 backlight life time
- Robust anodized coated aluminum front bezel and stainless steel rear cover
- Supports wide operating temperatures
- Increase reliability by enhanced 5-wire resistive touch sensor
- Anti-glare screen with tempered glass and IP65 certified front panel
- Full enclosure ground isolation protection
- Supports VGA/DVI input, dual touch interfaces and two power inputs
- Front lockable OSD membrane keys with user-defined brightness setting
- Front panel is IP65 compliant
- Supports panel, VESA, wall and desktop stand mounting

Introduction

The FPM-3151G is a extremely rugged and reliable 15" XGA wide temperature industrial monitor for various industrial applications. Equipped with a hard anodized coating, stainless steel chassis, and -20 to 60°C operating temperature, it can satisfy demands in a wide range of harsh industrial applications. This model also features enhanced 5-wire resistive touch and system ground isolation protection to enhance the reliability. FPM-3151G also provides lockable OSD keys on the front panel with two user-defined contrast/brightness settings.

Specifications

General

- **Button Controls** — OSD control pad on front panel with lockable function
  Two user-defined contrast/brightness settings
- **Certification** — CE, FCC Class A, BSMI, CCC, UL, Energy Star
- **Dimensions (W x H x D)** 422 x 310 x 70 mm (16.61" x 12.2" x 2.76")
- **Enclosure** — Front panel: Aluminum with hard anodizing coating
  Rear cover: Stainless steel
  Ground Isolation Protection
- **Mounting** — Panel, wall, desktop, VESA arm
- **Power Input** — Phoenix Jack: 24 V_{DC} input
  DC Jack: 12 V_{DC} input
- **Power Consumption** 12W +20%
- **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-bit)
- **Viewing Angle (H/V°)** — 160/140
- **Luminance (cd/m²)** — 350
- **Backlight Life (hrs)** — 50,000
- **Contrast Ratio** — 700:1

Touchscreen

- **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 XP,2000,Vista,7,8/8.1,10 , XP/7/8/10
  Embedded,CE,Linux
- **Power Consumption** — +5 V @ 100 mA
- **Touch Resolution** — Linearity
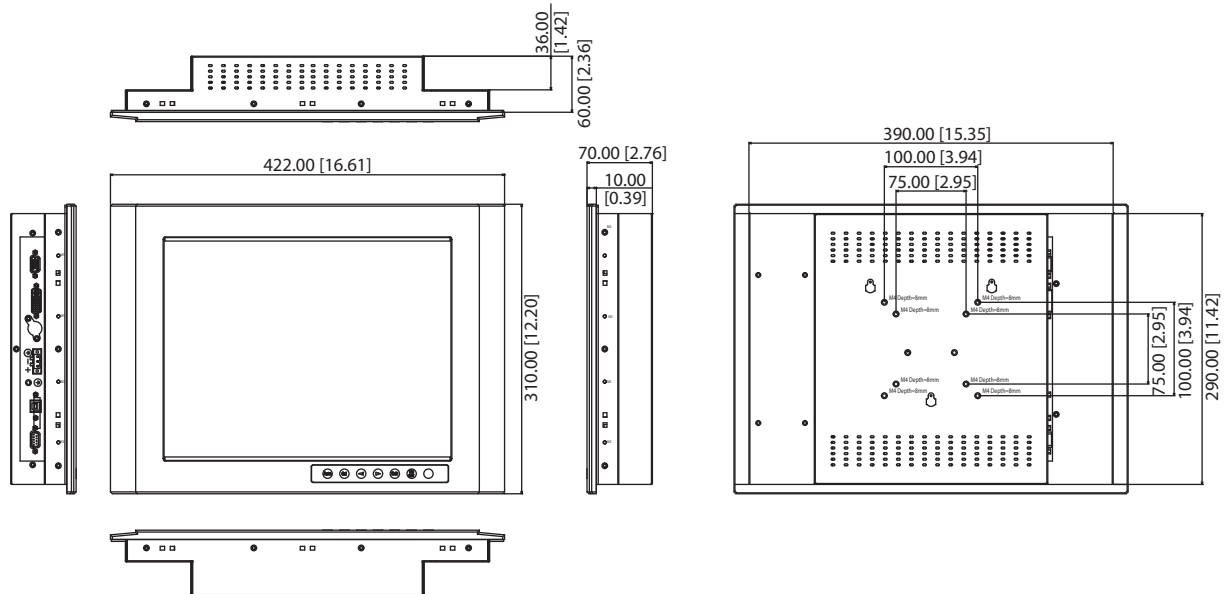
Environment

- **Operation Temperature** — -20 ~ 60°C (-4 ~ 140°F)
- **Storage Temperature** — -30 ~ 80°C (-22 ~ 176°F)
- **Humidity (Storage)** — 90% @ 50°C non-condensing
- **Waterproof** — Front panel is IP65 compliant
- **Shock** — 11ms, 10G (Non Operating, Half Sine Wave)
- **Vibration** — 5 ~ 500 Hz, 1 Grms (Operating, Random)

Ordering Information

- **FPM-3151G-R3BE** — 15" XGA Ind. Monitor w/ Wide Temp, Resistive TS

ADVANTECH **Automation Panels**

Dimensions

Unit: mm [inch]

36.00 [1.42]
60.00 [2.36]
422.00 [16.61]
70.00 [2.76]
10.00 [0.39]
310.00 [12.20]
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

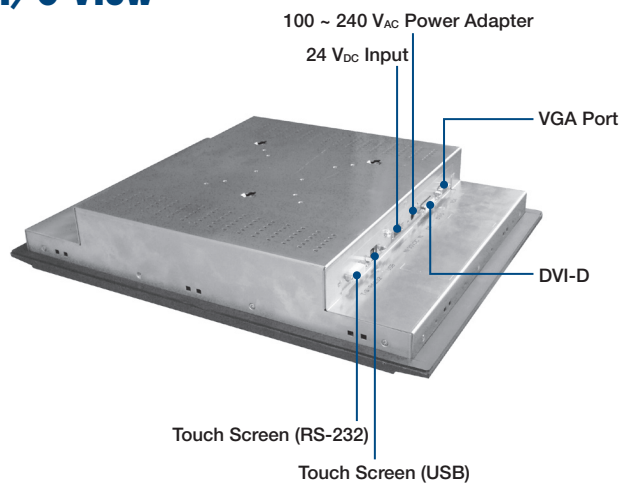**Panel Cut-out Dimensions: 392 x 292 mm(15.43" x 11.49")**

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
- **1700000596** — Power Cable China/Australia Plug 1.8 M
- **FPM-1000T-SMKE** — Desktop/Wall Mounting kit for FPM series
- **96PSA-A60W12V1-1** — Adapter 100-240V 60W 12V 5A
- **96PSA-A60W24T2** — Adapter 100-240V 60W 24V 2.5A
- **FPM-3001G-ADKE** — Adapter bracket for FPM-3000 15"/17"/19"

Rack Mount (FPM-3151G-RMKE)

I/O View

100 ~ 240 V$_{AC}$ Power Adapter
24 V$_{DC}$ Input
VGA Port
DVI-D
Touch Screen (RS-232)
Touch Screen (USB)

Mouser Electronics

Authorized Distributor

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