FPM-3060G

6.5" VGA Industrial Monitor with Resistive Touchscreen and Direct-VGA Port

Features

- 6.5" VGA TFT LCD with resolution up to 640 x 480
- Robust design with stainless steel chassis and aluminum front panel
- Anti-reflective screen with tempered glass
- Supports stainless steel front panel (optional)
- OSD control pad on front panel
- Supports industrial 24-48 V_{DC} power input (optional)
- Supports tranflective LCD technology (optional)
- Supports panel, wall, desktop and VESA arm mounting
- Front panel is NEMA4/IP65 compliant
- RoHS compliant

Introduction

FPM-3060G is a 6.5" flat panel monitor designed for industrial applications with small display requirements. High brightness of up to 400 nits makes the display clearly visible, while the wide operating temperature range of 0 to 50° C combined with vibration resistance makes it suitable for rugged environments. Mounting of the small and compact display can be done in panels, with VESA arms, and even directly on products in the UNO-2000 and MBPC-200 series. Optional versions of FPM-3060G provide RS-232 or USB interfaces for a resistive touchscreen.

Specifications

General

- **Button Controls** — OSD (Onscreen Display) control pad on front panel
- **Certification** — BSMI, CCC, CE, FCC Class B, UL
- **Dimension (W x H x D)** — 220 x 150 x 46 mm (8.66" x 5.9" x 1.81")
- **Enclosure** — Front panel: Aluminum with coating
  Rear cover: Stainless steel chassis
- **Mounting** — Panel, VESA arm, or wall & desktop mount with optional mounting kit
- **Power Input** — DC Jack - Optional external 57 W power adapter, with 100 ~ 240 V_{AC} input and 12 V_{DC} @ 4.75 A output
- **Power Consumption** — 7 W + 20%
- **Video Port** — VGA
- **Weight (Net)** — 1.82 kg (4.01 lbs)

LCD Display

- **Display Type** — VGA TFT LCD
- **Display Size** — 6.5"
- **Max. Resolution** — 640 x 480
- **Max. Color** — 262 K
- **Viewing Angle (H/V°)** — 140/120
- **Luminance (cd/m²)** — 300
- **Backlight Life (hrs)** — 50,000
- **Contrast Ratio** — 500 : 1

Touchscreen (Optional)

- **Sensor** — AMT
- **Driver** — Penmount 9000 (RS-232)
  Penmount 5000 (USB)
- **Type** — 4-wire Resistive
- **Interface** — RS-232 or USB
- **Lifespan** — 10 million with a silicone rubber of 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** — 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** — -20 ~ 60° C (-4 ~ 140° F)
- **Humidity (Storage)** — 10 ~ 95% non-condensing
- **Waterproof** — Front panel is NEMA4/IP65 compliant
- **Vibration** — 5 ~ 500 Hz, 1 Grms (Operating, Random)
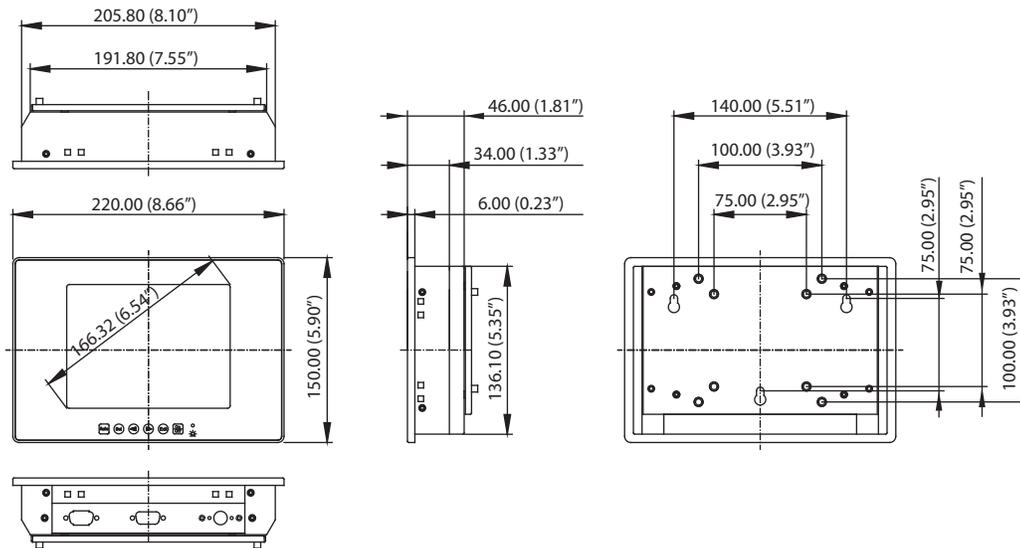
Ordering Information

- **FPM-3060G-XAE** — 6.5" VGA Ind. Monitor
- **FPM-3060G-RAE** — 6.5" VGA Ind. Monitor w/Resistive TS (RS-232)
- **FPM-3060G-UAE** — 6.5" VGA Ind. Monitor w/Resistive TS (USB)

Dimensions

Unit: mm

FPM-3060G-XAE

205.80 (8.10″)
191.80 (7.55″)
220.00 (8.66″)
166.32 (6.54″)
150.00 (5.90″)

46.00 (1.81″)
34.00 (1.33″)
6.00 (0.23″)
136.10 (5.35″)

140.00 (5.51″)
100.00 (3.93″)
75.00 (2.95″)
75.00 (2.95″)
75.00 (2.95″)
100.00 (3.93″)

Panel Cut-out Dimensions: 209.8 x 140.1 mm (18.25" x 5.51")

Accessories

- **PWR-246E**   Ind. DC to DC w/24-48 V_{DC} 1.4-2.9A In 12 V_{DC} 5A Out
- **FPM-3060G-VMKE**   Mounting Kit for VESA arm
- **1700001524**   Power Cable US Plug 1.8 M
- **170203180A**   Power Cable UK Plug 1.8 M
- **170203183C**   Power Cable EU Plug 1.8 M
- **1757002742**   Adapter AC 90-264V 57W SPU63-105

I/O View

Power Connector

VGA Port

Touchscreen Port
(USB or RS-232)