FPM-3191G
FPM-3191S

19" SXGA Industrial Monitor with Resistive Touchscreen, Direct-VGA and DVI Ports

Features

- 19" SXGA TFT LCD with resolution up to 1280 x 1024
- Robust design with stainless steel chassis and aluminum front panel
- Anti-reflective screen with tempered glass
- Supports stainless steel front panel with 316L materials
- OSD control pad on front panel
- Supports industrial 24-48 V_{DC} power input (optional)
- Supports panel, wall, desktop, rack or VESA arm mounting
- Front panel is NEMA4/IP65 compliant
- Front panel stainless steel with 316L level (FPM-3191S)

Introduction

FPM-3191G is a 19" color TFT LCD flat panel monitor specifically designed for industrial applications. With a viewing size as large as 19", it presents an ample display area as well as vivid and sharp images for your HMI. It features Direct-VGA signal transmission and the onscreen display function makes it easy to adjust the images on the screen. The stainless steel chassis and the NEMA4/IP65 compliant aluminum front panel enable installation in applications with water and dust. An optional stainless steel front panel is available by request.

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)**   482 x 399.2 x 66 mm (18.98" x 15.72" x 2.6")
- **Enclosure**   Front panel:
  FPM-3191G: Aluminum with coating
  FPM-3191S: Stainless steel with 316L level
  Rear cover: Stainless steel chassis
- **Mounting**   Panel, wall, desktop, VESA arm & 19" rackmount
- **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**   35 W + 20%
- **Video Port**   VGA & DVI-D Port
- **Weight (Net)**   FPM-3191G: 10.65 kg (23.46 lbs)
  FPM-3191S: 15 kg (33.07 lbs)

LCD Display

- **Display Type**   SXGA TFT LCD (AUO)
- **Display Size**   19"
- **Max. Resolution**   1280 x 1024
- **Max. Color**   16.2 M
- **Viewing Angle (H/V°)**   178/178
- **Luminance (cd/m²)**   300
- **Backlight Life (hrs)**   50,000
- **Contrast Ratio**   1300 : 1

Touchscreen (Optional)

- **Sensor**   ELO
- **Driver**   ELOTOUCH
- **Type**   5-wire Resistive
- **Interface**   RS-232 and USB
- **Lifespan**   35 million touches at a single point
- **Light Transmission**   80% ±5
- **OS Support**   Windows XP, Vista, 7, XPe, CE, 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 ~ 90% non-condensing
- **Waterproof**   Front panel is NEMA4/IP65 compliant
- **Vibration**   5 ~ 500 Hz, 1 Grms (Operating, Random)

Ordering Information

- **FPM-3191G-XCE**   19" SXGA Ind. Monitor
- **FPM-3191G-RCE**   19" SXGA Ind Monitor w/Resistive TS (RS-232, USB)
- **FPM-3191S-R3AE**   19" SXGA Ind. Monitor w/Resistive TS (RS-232,USB)

Dimensions

Unit: mm

Diameters of the rackmount holes:
Vertical: 6.5 mm
Horizontal: 9 mm

442.00 (17.40")
397.00 (15.63")
373.00 (14.68")

482.00 (18.98")
465.00 (18.31")

482.58 (19.00")

120.60 (4.75")
323.80 (12.75")
399.20 (15.72")

66.00 (2.60")
39.50 (1.56")
4.00 (0.16")

374.40 (14.74")

224.00 (8.82")

75.00 (2.95")
100.00 (3.94")
160.20 (6.30")

326.90 (12.88")

75.00 (2.95")
100.00 (3.94")
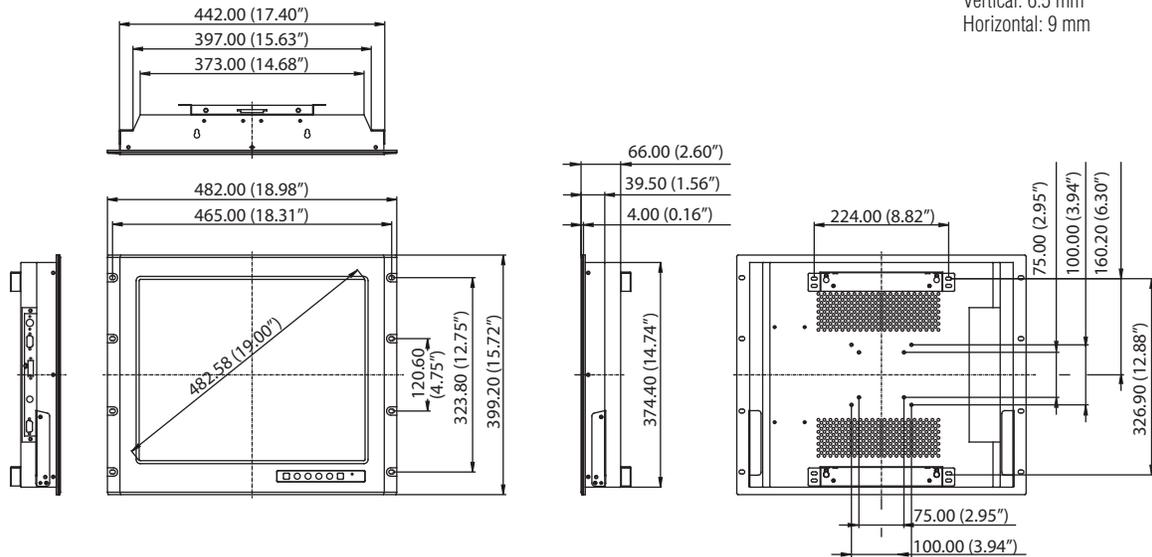
Panel Cut-out Dimensions: 444 x 376.4 mm (17.48" x 14.81")

Accessories

- **PWR-246E** — Ind. DC to DC w/24-48 V_{DC} 1.4-2.9A In 12 V_{DC} 5A Out
- **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
- **1757002742** — Adapter AC 90-264V 57W SPU63-105

Mounting with DC Source
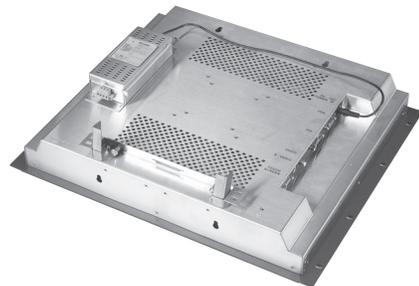
Stainless Steel front panel (FPM-3191S)

Side View

Power Input Connector   DVI-D

Touchscreen (RS-232)   VGA Port
Touchscreen (USB)