

# Selection Guide

## Robust and Wide Temperature Monitors



Model		FPM-3191G	FPM-3171G	FPM-3151G	FPM-3121G
Display	Display Type	SXGA	SXGA	XGA	SVGA
	Display Size	19"	17"	15"	12"
	Max.Resolution	1280x1024	1280x1024	1024x768	800x600
	Max.Colors	16.7M	16.7M	16.2M	16.2M
	Luminance cd/m <sup>2</sup>	350	350	350	450
	Viewing Angle (H/V°)	170/160	160/140	160/140	160/140
	Backlight MTBF (hrs)	50,000	50,000	50,000	50,000
Video Port		VGA/DVI	VGA/DVI	VGA/DVI	VGA/DVI
Touchscreen		Combo	Combo	Combo	Combo
OSD (onscreen display)		On front Panel with lockable function	On front Panel with lockable function	On front Panel with lockable function	On front Panel with lockable function
Power Input Voltage		100~240v (Adapter)	100~240v (Adapter)	100~240v (Adapter)	100~240v (Adapter)
DC Power Input(voltage)		12v & 24v	12v & 24v	12v & 24v	12v & 24v
Operating Temperature		0 ~ 50	-20 ~ 60	-20 ~ 60	-20 ~ 60
Storage Temperature		-20 ~ 60	-30 ~ 80	-30 ~ 80	-30 ~ 80
Dimension		482 x 399 x 67 mm	482 x 354.8 x 63.9 mm	422 x 310 x 70 mm	312 x 224 x 60.5 mm
Cut-out Dimension	Cut-out Dimension	444 x 376.4 mm	447.5 x 329.5 mm	396 x 296 mm	303.5 x 229.5 mm
Weight		10.65kg	9.25kg	7.73kg	4.07kg
Certification		BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	CE, FCC Class A, BSMI, CCC, UL, Energy Star	CE, FCC Class A, BSMI, CCC, UL, Energy Star
Operating System		WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux
Touch Operation System		Elo Touch	Elo Touch	PenMount 6000	PenMount 6000
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## Robust with True-flat IP66 Upgraded

NEW

NEW

NEW



Model		FPM-7211W	FPM-7181W	FPM-7151W	FPM-7151T	FPM-7121T
Display	Display Type	Full HD	WXGA	WXGA	XGA	XGA
	Display Size	21.5"	18.5"	15.6"	15"	12.1"
	Max.Resolution	1920x1080	1366 x 768	1366 x 768	1024 x 768	1024 x 768
	Max.Colors	16.7M	16.7M	16.7M	16.7M	16.2M
	Luminance cd/m <sup>2</sup>	300	300	400	400	600
	Viewing Angle (H/V°)	178/178	170/160	170/160	160/140	160/140
	Backlight MTBF (hrs)	50,000	50,000	50,000	50,000	50,000
Video Port		VGA/DVI-D	VGA/DVI-D	VGA/DVI-D	VGA/DP	VGA/DP
Touchscreen		Combo	Combo	Combo	Combo	Combo
OSD (onscreen display)		On rear side with lockable function	On rear side with lockable function	On rear side with lockable function	On rear side with lockable function	On rear side with lockable function
Power Input Voltage		100~240v (Adapter)	100~240v (Adapter)	100~240v (Adapter)	100~240v (Adapter optional)	100~240v (Adapter optional)
DC Power Input(voltage)		12v/24v	12v/24v	12v/24v	24v	24v
Operating Temperature		0 ~ 50	0 ~ 50	0 ~ 50	-20 ~ 60	-20 ~ 60
Storage Temperature		-20~60	-20~60	-20~60	-30 ~ 70	-30 ~ 70
Dimension		558.4 x 349.8 x 47.7 mm	488 x 309 x 47.7 mm	419.7 x 269 x 47.7 mm	383.2 x 307.3 x 48.2 mm	311.8 x 238 x 44.6 mm
Cut-out Dimension	Cut-out Dimension	550.3 x 341.8 mm	479.3 x 300.3 mm	412.4 x 261.7 mm	372.9 x 296.9 mm	301.6 x 227.6 mm
Weight		8kg	6kg	5kg	4.2kg	2.6kg
Certification		BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL
Operating System		WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux
Touch Operation System		PenMount 6000	PenMount 6000	PenMount 6000	PenMount 6000	PenMount 6000
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## Regular Level Monitors



Model		FPM-5191G	FPM-5171G	FPM-5151G
Display	Display Type	SXGA	SXGA	XGA
	Display Size	19"	17"	15"
	Max.Resolution	1280 x 1024	1280 x 1024	1024 x 768
	Max.Colors	16.7M	16.7M	16.2M
	Luminance cd/m <sup>2</sup>	350	350	400
	VieWIng Angle (H/V°)	170/160	160/140	160/140
	Backlight MTBF (hrs)	50,000	50,000	50,000
Video Port		VGA/DVI	VGA/DVI	VGA/DVI
Touchscreen		Combo	Combo	Combo
OSD (onscreen display)		On rear side with lockable function	On rear side with lockable function	On rear side with lockable function
Power Input Voltage		100~240v (Adapter Optional)	100~240v (Adapter Optional)	100~240v (Adapter Optional)
DC Power Input(voltage)		10-30v	10-30v	10-30v
Operating Temperature		0 ~ 50	0 ~ 50	0 ~ 50
Storage Temperature		-20~60	-20~60	-20~60
Dimension		481.93 x 384.6 x 59 mm	481.9 x 355.9 x 55 mm	449.92 x 315.63 x 50.5 mm
Cut-out Dimension	Cut-out Dimension	454 x 338 mm	454 x 338 mm	424 x 293 mm
Weight		10kg	8kg	6kg
Certification		BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL	BSMI, CCC, CE, FCC Class A, UL
Operating System		WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux
Touch Operation System		PenMount 6000	PenMount 6000	PenMount 6000
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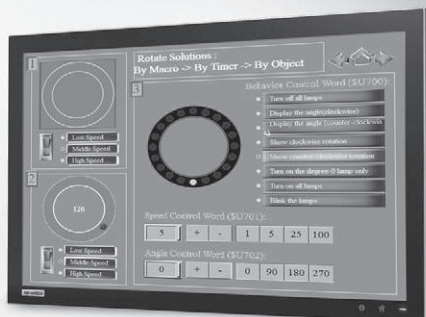
Model		FPM-2170G	FPM-2150G	FPM-2120G
Display	Display Type	SXGA	XGA	SVGA
	Display Size	17"	15"	12"
	Max.Resolution	1280x1024	1024x768	800x600
	Max.Colors	16.7M	16.2M	16.2M
	Luminance cd/m <sup>2</sup>	350	400	450
	VieWIng Angle (H/V°)	160/140	160/140	160/140
	Backlight MTBF (hrs)	50,000	50,000	50,000
Video Port		VGA	VGA	VGA
Touchscreen		Combo	Combo	Combo
OSD (onscreen display)		On rear side with lockable function	On rear side with lockable function	On rear side with lockable function
Power Input Voltage		100 ~ 240V (Adapter)	100 ~ 240V (Adapter)	100 ~ 240V (Adapter)
DC Power Input(voltage)		12V	12V	12V
Operating Temperature		0 ~ 50	0 ~ 50	0 ~ 50
Storage Temperature		-20 ~ 60	-20 ~ 60	-20 ~ 60
Dimension		413.72 x 347.22 x 52.13 mm	383 x 307 x 48 mm	311 x 237 x 40.63 mm
Cut-out Dimension	Cut-out Dimension	400.92 x 334.42 mm	374.6 x 298.6 mm	303.3 x 229.3 mm
Weight		5.6kg	4.5kg	4kg
Certification		BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL
Operating System		WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux	WIN XP/Vista/7/8/XPE/Linux
Touch Operation System		PenMount 6000	PenMount 6000	PenMount 6000
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# FPM-6211W

**21.5" Full HD Semi-industrial Monitor with PCT Touch, Direct-HDMI Ports and Support Long-distance / Daisy chain applications**

**NEW**



## Features

- 21.5" Full HD TFT LED LCD backlight LCD
- True-flat design with IP65 compliance
- 16:9 wide screen display, view area increases by 40%
- Supports 5 points multi-touch via USB interface
- Slim type design with thinnest side bars on touch
- Projected Capacitive Touchscreen with reliable 7H hardness glass surface
- iKey for OSD control and remote/local source switch
- Seamless connection with iLink boxes via board to board connector
- Support VESA mounting
- Lockable I/O connectors
- long-distance / daisy chain applications support with optional iLink boxes

## Introduction

With its breakthrough design, the FPM-6211W not only provides a wide screen display size with industrial grade design concept but also provides long-distance and daisy-chain application support. With the iLink solution, the distance between the system and the monitor can be extended to 100 meters long and it can show clone images on up to four monitors, for a total of 400 meters. With the thinnest design in the industry it provides a compact and modern look & feel, ideally suited for VESA mounting. True flat design provides better dust and water resistance, easy for daily maintenances and enhances reliability

## Specifications

### General

- OSD Controls** Touch OSD control in front bezel
- Certification** BSMI, CCC, CE, FCC Class A, UL
- Dimensions (W x H x D)** 519.6 x 314.3 x 26 mm (20.46" x 12.37" x 1.02")
- Enclosure** Die-cast Aluminum alloy
- Mounting** Wall, desktop, VESA (MIS,100,C)
- Power Input** Phoenix Jack: 24 V<sub>DC</sub> input
- Power Consumption** 20 W + 20%
- Video Port** HDMI
- Weight (Net)** 5 kg

### LCD Display

- Display Type** FULL HD TFT LED LCD
- Display Size** 21.5"
- Max. Resolution** 1920 x 1080
- Max. Color** 16.7 M
- Viewing Angle (H/V°)** 170/160
- Luminance (cd/m<sup>2</sup>)** 250
- Backlight Life (hrs)** 30,000
- Contrast Ratio** 1000:1

### Touchscreen

- Type** Projected capacitive touch
- Interface** USB
- Light Transmission** 90% ±2%
- OS Support** Windows XP, Vista, 7, 8, XPe and Linux
- Multi Touch** 5 points, USB interface in Win 7/8.
- Hardness** 7H

### Environment

- Operation Temperature** 0 ~ 55°C (32 ~ 131°F)
- Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- Humidity (Storage)** 10 ~ 90% non-condensing
- Waterproof** Front panel is IP65 compliant
- Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

## Rear View



24V<sub>DC</sub> Power Input with Phoenix Connector      USB Port for T/S  
HDMI Port

# FPM-8151H

## 15" XGA Industrial Monitor for Hazardous Location, with 316L Stainless Steel Front Panel

NEW



### 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 VDC input and 100~240 VAC input (optional AC adapter)
- OSD control pad with lockable function on front panel
- Certified with UL CID2 for hazardous environments

### Introduction

The FPM-8151H is a particularly rugged and reliable 15" XGA wide temperature industrial monitor for a variety of industry applications. Equipped with a wide operating temperature range of -20 ~ 60°C (-4 ~ 140°F), it can satisfy demands in a wide range of harsh industrial applications. This model also features enhanced 5-wire resistive touch and system isolation to enhance the reliability. Moreover, FPM-8151H is designed to be safely operated in these locations and is Certified with UL Class I Division 2 for hazardous environments.

### 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")
- **Enclosure** Front panel: 316L Stainless steel  
Rear cover: Stainless steel  
Ground Isolation Protection
- **Mounting** Panel, wall, desktop, VESA arm
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with  
100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 4.75 A 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/m<sup>2</sup>)** 350
- **Backlight Life (hrs)** 50,000
- **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

- **Operation 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)

# FPM-3191G

## 9U Rackmount 19" SXGA Industrial Monitor with Resistive Touchscreen, Direct-VGA and DVI Ports



### Features

- 19" SXGA TFT LED LCD with 50,000 backlight life time
- Robust design with stainless steel chassis and aluminum front panel
- Anti-glare screen with tempered glass and IP65 certified front panel
- Lockable OSD control pad on rear cover
- Supports industrial 24 V<sub>DC</sub> power input
- Supports panel, wall, desktop, rack or VESA arm mounting
- Supports 9U pre-drill Rackmount mounting hole

### 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 simple display area as well as vivid and sharp images for your HMI. It features direct VGA signal transmission. You can thus upgrade the displays without making changes to the existing system. The onscreen display function also makes it easy to adjust the images on the screen. The whole chassis is designed in stainless steel and the front panel is made of aluminum with front panel IP65 compliance.

### Specifications

#### General

- **Button Controls** OSD (Onscreen Display) control pad on front panel
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)** 482mm x 399mm x 67 mm (18.98" x 15.71" x 2.64")
- **Enclosure** Front panel: Aluminum with coating  
Rear cover: Stainless steel chassis

\*Mounting holes on rear cover are designed for PWR-246E DC Source

- **Mounting** Panel, wall, desktop, VESA arm & 19" rackmount
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with 100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 4.75 A output

Note: AC power adapter is included.

- **Power Consumption** 35 W + 20%
- **Video Port** VGA & DVI-D port
- **Weight (Net)** 10.65 kg (23.46 lbs)

#### LCD Display

- **Display Type** SXGA TFT LCD with LED backlight
- **Display Size** 19"
- **Max. Resolution** 1280 x 1024
- **Max. Color** 16.7 M
- **Viewing Angle (H/V°)** 170/160
- **Luminance (cd/m<sup>2</sup>)** 350
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 1000:1

#### Touchscreen (Optional)

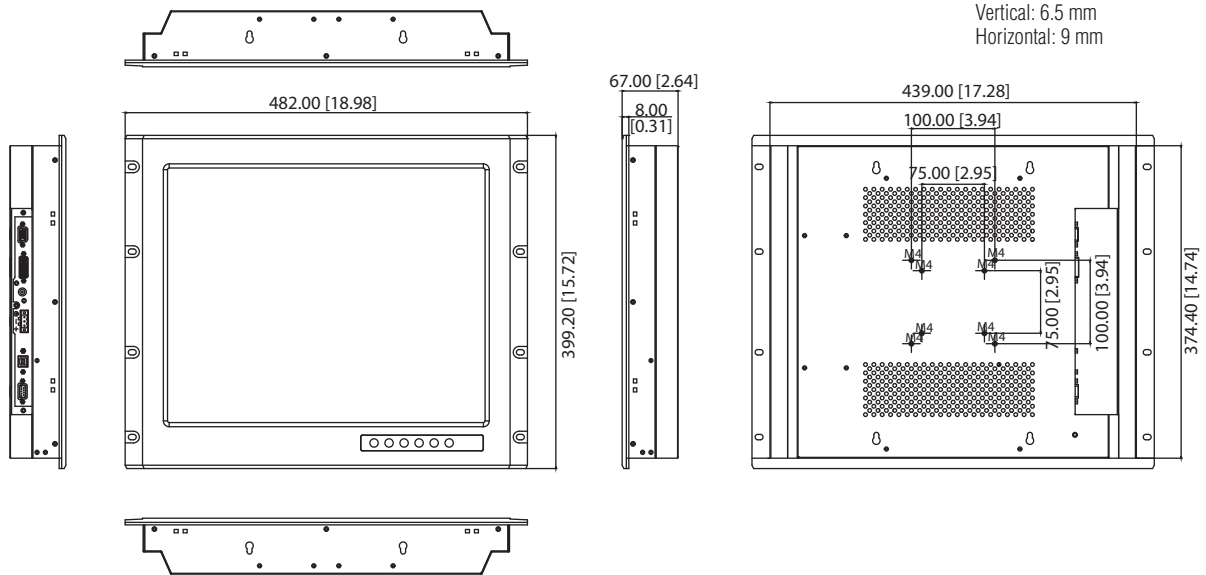
- **Type** 5-wire Resistive
- **Interface** RS-232 and USB
- **Lifespan** 35 million touches at a single point
- **Light Transmission** 80% ±5
- **OS Support** Windows XP, Vista, 7, 8, XPe, CE and Linux
- **Power Consumption** +5 V @ 100 mA
- **Touch Resolution** Linearity

#### Environment

- **Operation Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is IP65 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

## Dimensions

Unit: mm [inch]



**Panel Cut-out Dimensions: 444 x 376.4 mm (17.48" x 14.82")**

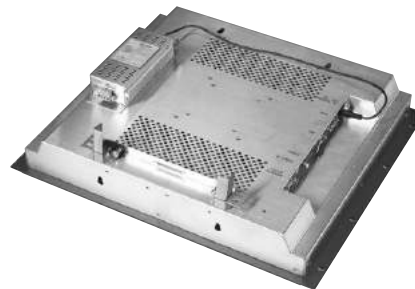
## Ordering Information

- **FPM-3191G-X0AE** 19" SXGA Ind. Monitor with VGA, DVI
- **FPM-3191G-R3AE** 19" SXGA Ind. Monitor w/ Resistive TS (Combo)

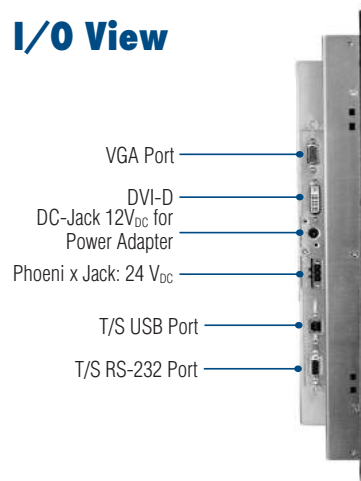
## Accessories

- **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 (Direct rack mounting, no need accessory)

## Mounting with DC Source



## I/O View



# FPM-3171G

**8U Rackmount 17" SXGA Industrial Monitor with Resistive Touchscreen, Direct-VGA and DVI Ports, and Wide Operating Temperature Range**



## Features

- 17" SXGA TFT LED LCD with 50,000 hours of backlight life
- Robust design with stainless steel chassis and aluminum front panel
- Anti-glare screen with tempered glass and IP65 certified front panel
- Lockable OSD control pad on rear cover
- Supports industrial 24V<sub>DC</sub> power input
- Supports panel, wall, desktop, rack or VESA arm mounting
- Supports 8U pre-drill Rackmount mounting hole

## Introduction

FPM-3171G is a 17" color TFT LCD flat panel monitor specifically designed for industrial applications. With a viewing size as large as 17", it presents an simple display area as well as vivid and sharp images for your HMI. It features direct VGA signal transmission. You can thus upgrade the displays without making changes to the existing system. The onscreen display function also makes it easy to adjust the images on the screen. The whole chassis is designed in stainless steel and the front panel is made of aluminum with front panel IP65 compliance.

## Specifications

### General

- **Button Controls** OSD (Onscreen Display) control pad on front panel
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)** 482 x 354.8 x 63.9 mm (18.98" x 13.97" x 2.52")
- **Enclosure** Front panel: Aluminum with coating  
Rear cover: Stainless steel chassis
- \*Mounting holes on rear cover are designed for PWR-246E DC Source
- **Mounting** Panel, wall, desktop, VESA arm & 19" rackmount
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with 100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 4.75 A output

Note: AC power adapter is included.

- **Power Consumption** 35 W + 20%
- **Video Port** VGA & DVI-D port
- **Weight (Net)** 9.25 kg (20.39 lbs)

### LCD Display

- **Display Type** 'SXGA TFT LCD with LED backlight
- **Display Size** 17"
- **Max. Resolution** 1280 x 1024
- **Max. Color** 16.7 M
- **Viewing Angle (H/V°)** 160/140
- **Luminance (cd/m<sup>2</sup>)** 350
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 1000:1

### Touchscreen (Optional)

- **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, 8, XPe, CE and Linux
- **Power Consumption** +5 V @ 100 mA
- **Touch Resolution** Linearity

### Environment

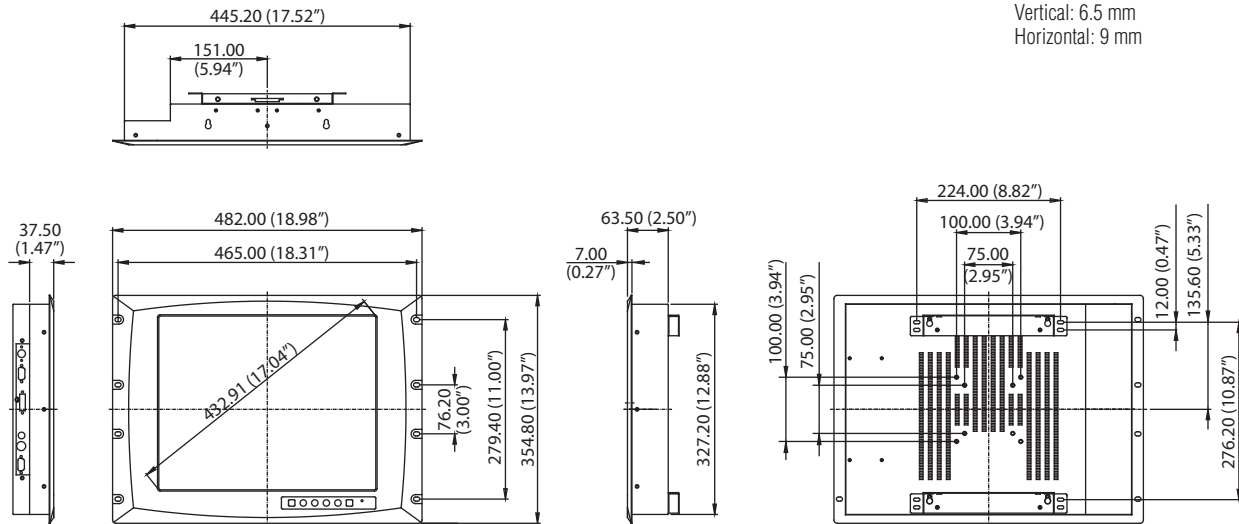
- **Operation Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Storage Temperature** -30 ~ 80°C (-22 ~ 176°F)
- **Humidity (Storage)** 95% @ 60°C . non-condensing
- **Waterproof** Front panel is IP65 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)



## Dimensions

Unit: mm [inch]

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



**Panel Cut-out Dimensions: FPM-3171G: 447.5 x 329.5 mm (17.62" x 12.97")**

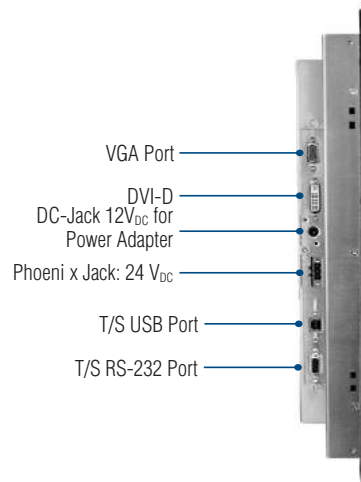
## Ordering Information

- **FPM-3171G-X0AE** 17" SXGA WT Ind. Monitor with VGA, DVI
- **FPM-3171G-R3AE** 17" SVGA WT Ind. Monitor w/Resistive TS (Combo)

## 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 (Direct rack mounting, no need accessory)

## I/O View





# 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 particularly rugged and reliable 15" XGA wide temperature industrial monitor for a variety of industry 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, or 19" rackmount with optional mounting kit
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with 100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 4.75 A output
- **Power Consumption** 12W
- **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/m<sup>2</sup>)** 350
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700:1

#### Touchscreen (Optional)

- **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 XP/Vista, 7, 8, XPe, CE and Linux
- **Power Consumption** +5 V @ 100 mA
- **Touch Resolution** Linearity

#### Environment

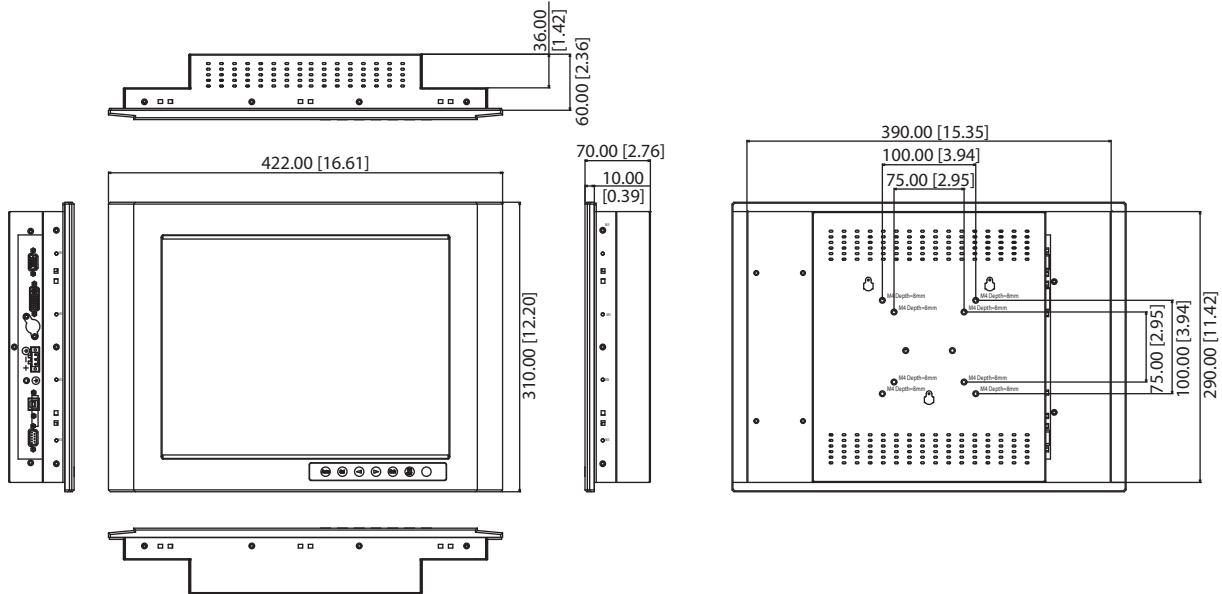
- **Operation Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Storage Temperature** -30 ~ 80°C (-22 ~ 176°F)
- **Humidity (Storage)** 10 ~ 95% non-condensing
- **Waterproof** Front panel is IP65 compliant
- **Shock** 11ms, 10G (Non Operating, Half Sine Wave)
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

### Ordering Information

- **FPM-3151G-X0AE** 15" XGA Ind. Monitor with Wide Temp
- **FPM-3151G-R3AE** 15" XGA Ind. Monitor w/ Wide Temp, Resistive TS
- **FPM-3151SR-R3AE** 15" XGA Ind. Monitor w/ Sunlight Readable Display

## Dimensions

Unit: mm [inch]

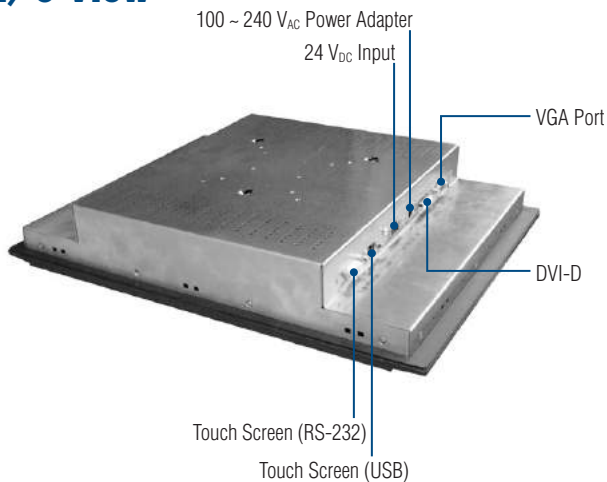


**Panel Cut-out Dimensions: 396 x 296 mm (15.59" x 11.65")**

## Accessories

- **FPM-3151G-RMKE** Mounting kit for 19" industrial rack
- **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-2120G-SMKE** FPM-2120G/2150G/2170G Stand Kit

## I/O View



## Rack Mount (FPM-3151G-RMKE)



- 1 WebAccess+ Solutions
- 2 Motion Control
- 3 Power & Energy Automation
- 4 Automation Software
- 5 Intelligent Operator Panel
- 6 Automation Panels
- 7 Panel PCs
- 8 Industrial Wireless Solutions
- 9 Industrial Ethernet Solutions
- 10 Industrial Gateway Solutions
- 11 Serial communication cards
- 12 Embedded Automation PCs
- 13 DIN-Rail IPCs
- 14 CompactPCI Systems
- 15 IoT Wireless I/O Modules
- 16 IoT Ethernet I/O Modules
- 17 RS-485 I/O Modules
- 18 Data Acquisition Boards

# FPM-3121G

## 12.1" SVGA Industrial Monitor with Resistive Touchscreen, Direct-VGA, DVI and Wide Operating Temperature



### Features

- 12.1" SVGA 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
- Energy Star certification
- Front panel is IP65 compliant
- Supports panel, VESA, wall and desktop stand mounting

### Introduction

The FPM-3121G is a particularly rugged and reliable 12.1" SVGA wide temperature industrial monitor for a variety of industry 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. Lockable OSD keys on front panel with 2 user-defined contrast/brightness settings.

### Specifications

#### General

- **Button Controls** OSD control pad on front side 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)** 312 x 224 x 60 mm (12.28" x 8.82" x 2.36")
- **Enclosure** Front panel: Aluminum with hard anodized coating  
Rear cover: Stainless steel chassis  
Ground Isolation Protection
- **Mounting** Panel, VESA arm, or wall & desktop mount with optional mounting kit
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with 100 ~ 240 V<sub>AC</sub> input and +12 V<sub>DC</sub> @ 4.75 A output
- **Power Consumption** 9 W
- **Video Port** VGA & DVI-D Port
- **Weight (Net)** 4.07 kg (8.975 lbs)

#### LCD Display

- **Display Type** SVGA TFT LCD
- **Backlight Type** LED
- **Display Size** 12.1"
- **Max. Resolution** 800 x 600
- **Max. Color** 16.2M (RGB 8-bit)
- **Viewing Angle (H/V°)** 160 / 140
- **Luminance (cd/m<sup>2</sup>)** 450
- **Operation Life (hrs)** 50,000
- **Contrast Ratio** 700:1

#### Touchscreen (Optional)

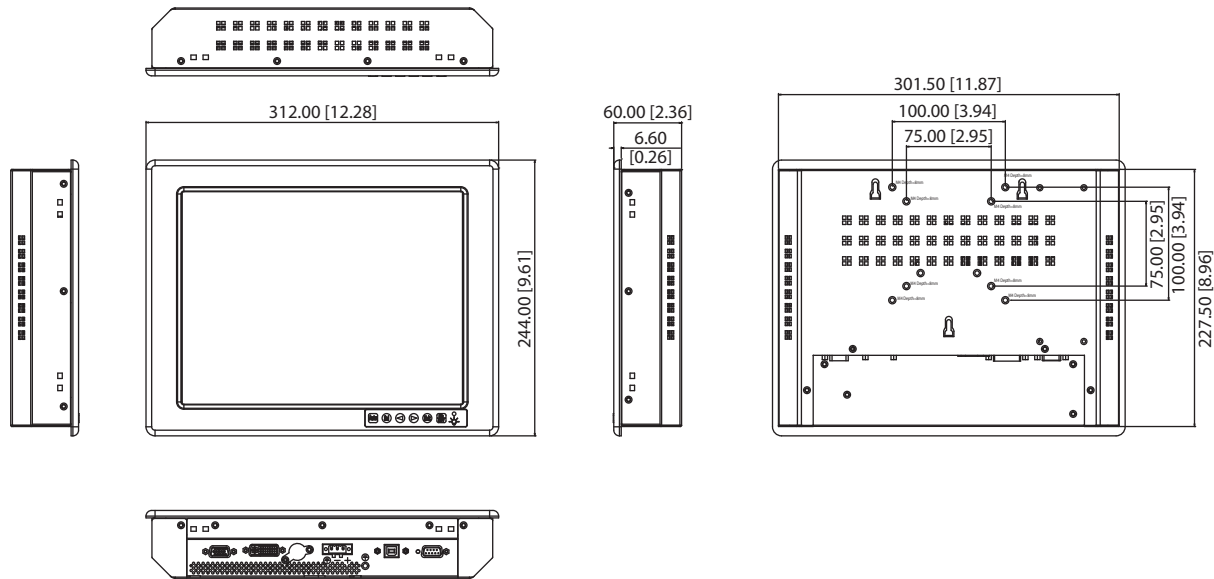
- **Sensor** AMT
- **Driver** Penmount 6000
- **Type** 5-wire Resistive with enhanced ITO film
- **Interface** USB & RS-232 (Combo)
- **Lifespan** 36 million with a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
- **Light Transmission** > 80%
- **OS Support** Windows XP, Vista, 7, 8, XPe, CE and 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)** 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)

## Dimensions

Unit: mm [inch]



**Panel Cut-out Dimensions: 303.5 x 229.5 mm (11.95" x 9.04")**

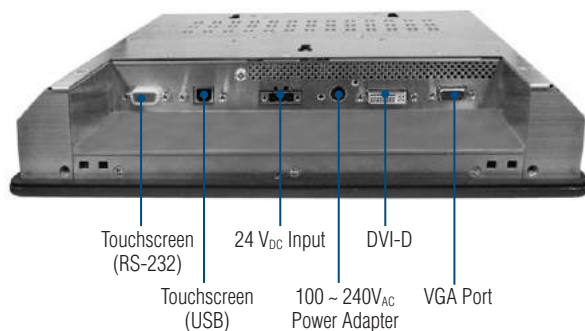
## Ordering Information

- **FPM-3121G-X0AE** 12.1" SVGA Ind. Monitor with Wide Temp
- **FPM-3121G-R3AE** 12.1" SVGA Ind. Monitor w/ Wide Temp, Resistive TS

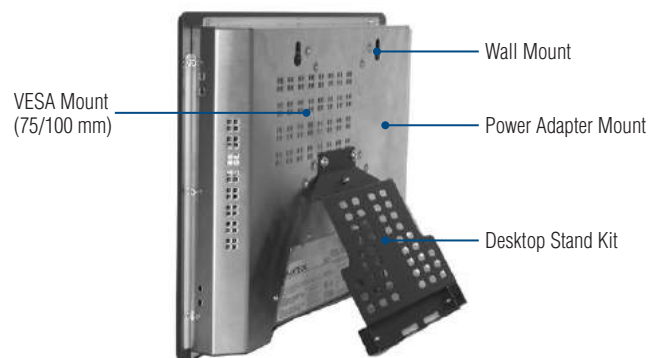
## Accessories

- **FPM-2150G-SMKE** Mounting kit for desktop stand & wall
- **1702002600** Power Cable US Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1700000596** Power Cable China/Australia Plug 1.8 M

## I/O View



## Mounting Method



# FPM-7211W

**21.5" Full HD Industrial Monitor with PCT Touch, Direct-VGA and DVI Ports**

**NEW**



## Features

- 21.5" Full HD TFT LED LCD wide screen display
- 16:9 wide screen display, view area increases by 40%
- Supports 10 points multi-touch via USB interface in Windows 7/8
- Slim type design for Panel mount / Wall mount easy installation
- Various mounting options: panel, wall, desktop and VESA arm mounting
- Projected Capacitive Touchscreen with reliable glass surface
- Robust design with SECC chassis and Magnesium alloy front panel with IP66 compliance
- OSD control pad on rear cover
- Lockable I/O connectors

## Introduction

With its brand new design, the FPM-7211W provides a new wide screen display size with industrial grade design concept. By truly-flat touch screen, the front bezel meets IP66 testing criteria. FPM-7211W projected capacitive touch can support 5-points touch application. New easy installation design can help you with one person for panel mounting. FPM-7211W monitor with slim enclosure is ideally suited to being either panel or wall mounted.

## Specifications

### General

- **OSD Controls** OSD control in rear cover
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)** 558.4 x 349.8 x 47.7 mm (21.98" x 13.77" x 1.88")
- **Enclosure** Front panel: Die-cast Magnesium alloy  
Rear cover: SECC
- **Mounting** Panel, wall, desktop, VESA (MIS, 100, C)
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with 100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 4.75 A output

Note: AC power adapter is included.

- **Power Consumption** 25 W + 20%
- **Video Port** VGA & DVI-D port
- **Weight (Net)** 8kg (17.6lbs)

### LCD Display

- **Display Type** Full HD TFT LED LCD
- **Display Size** 21.5"
- **Max. Resolution** 1920 x 1080
- **Max. Color** 16.7 M
- **Viewing Angle (H/V°)** 178/178
- **Luminance (cd/m²)** 300
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 5000:1

### Touchscreen

- **Type** Projected Capacitive touch
- **Interface** RS-232 and USB
- **Light Transmission** Above 75%
- **OS Support** Windows XP, Vista, 7, 8, XPe and Linux
- **Multi Touch** 10 points, USB interface in Win 7/8.
- **Hardness** >6H

### Environment

- **Operation Temperature** 0 ~ 55°C (32 ~ 131°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is IP66 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

## Ordering Information

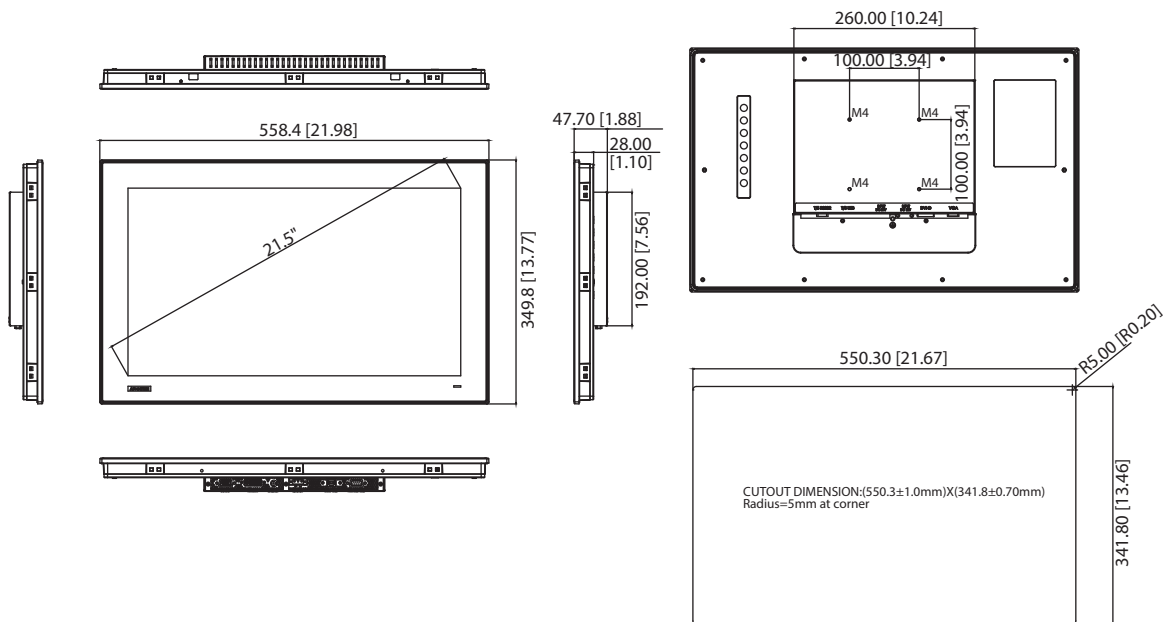
- **FPM-7211W-P3AE** 21.5" Full HD Ind Monitor w/PCT TS (RS-232, USB)

## 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-7181W-SMKE** FPM-7211W Mounting kit for desktop & wall

## Dimensions

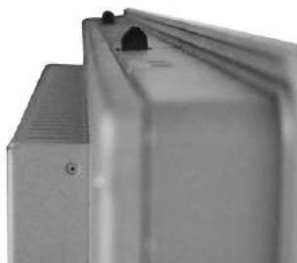
Unit: mm [inch]



**Panel Cut-out Dimensions: 550.30 x 341.8 mm (21.67" x 13.46")**

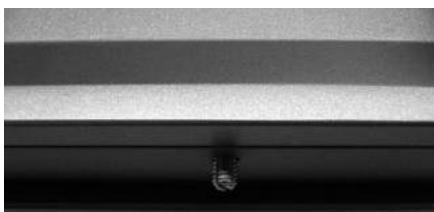
## Easy Installation

### Snap hook in rear cover



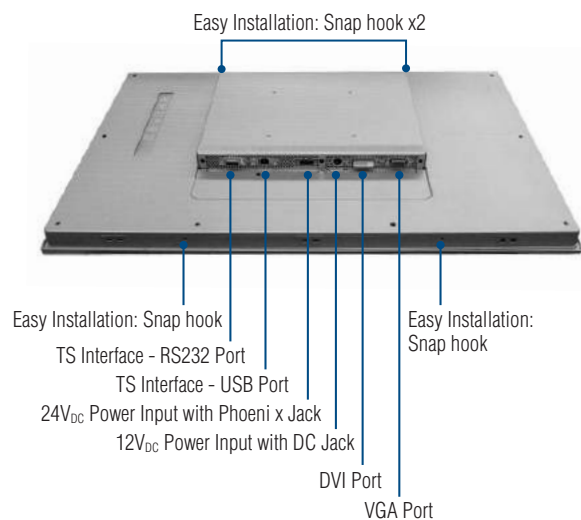
Screw to set up the snap hook out of upper side

### Stopper Screw in rear cover



Screw for the stopper screw out of down side

## Rear View



# FPM-7181W

**18.5" WXGA Industrial Monitor with PCT Touch, Direct-VGA and DVI Ports**

**NEW**



## Features

- 18.5" WXGA TFT LED LCD wide screen display
- 16:9 wide screen display, view area increases by 40%
- Supports 10 points multi-touch via USB interface in Windows 7/8
- Slim type design for Panel mount / Wall mount easy installation
- Various mounting options: panel, wall, desktop and VESA arm mounting
- Projected Capacitive Touchscreen with reliable glass surface
- Robust design with SECC chassis and Magnesium alloy front panel with IP66 compliance
- OSD control pad on rear cover
- Lockable I/O connectors

## Introduction

With its brand new design, the FPM-7181W provides a new wide screen display size with industrial grade design concept. By truly-flat touch screen, the front bezel meets IP66 testing criteria. FPM-7181W projected capacitive touch can support 10-points touch application. New easy installation design can help you with one person for panel mounting. FPM-7181W monitor with slim enclosure is ideally suited to being either panel or wall mounted.

## Specifications

### General

- **OSD Controls** OSD control in rear cover
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)** 488 x 309 x 47.7 mm (19.21" x 12.17" x 1.88")
- **Enclosure** Front panel: Die-cast Magnesium alloy  
Rear cover: SECC
- **Mounting** Panel, wall, desktop, VESA (MIS, 100, C)
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with 100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 4.75 A output

Note: AC power adapter is included.

- **Power Consumption** 20 W + 20%
- **Video Port** VGA & DVI-D port
- **Weight (Net)** 6kg (13.2lbs)

### LCD Display

- **Display Type** WXGA TFT LED LCD
- **Display Size** 18.5"
- **Max. Resolution** 1366 x 768
- **Max. Color** 16.7M
- **Viewing Angle (H/V°)** 170/160
- **Luminance (cd/m²)** 300
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 1000:1

### Touchscreen

- **Type** Projected capacitive touch
- **Interface** RS-232 and USB
- **Light Transmission** Above 75%
- **OS Support** Windows XP, Vista, 7, 8, XPe and Linux
- **Multi Touch** 10 points, USB interface in Win 7/8.
- **Hardness** 7H

### Environment

- **Operation Temperature** 0 ~ 55°C (32 ~ 131°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is IP66 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

## Ordering Information

- **FPM-7181W-P3AE** 18.5" WXGA Ind Monitor w/PCT TS (RS-232, USB)

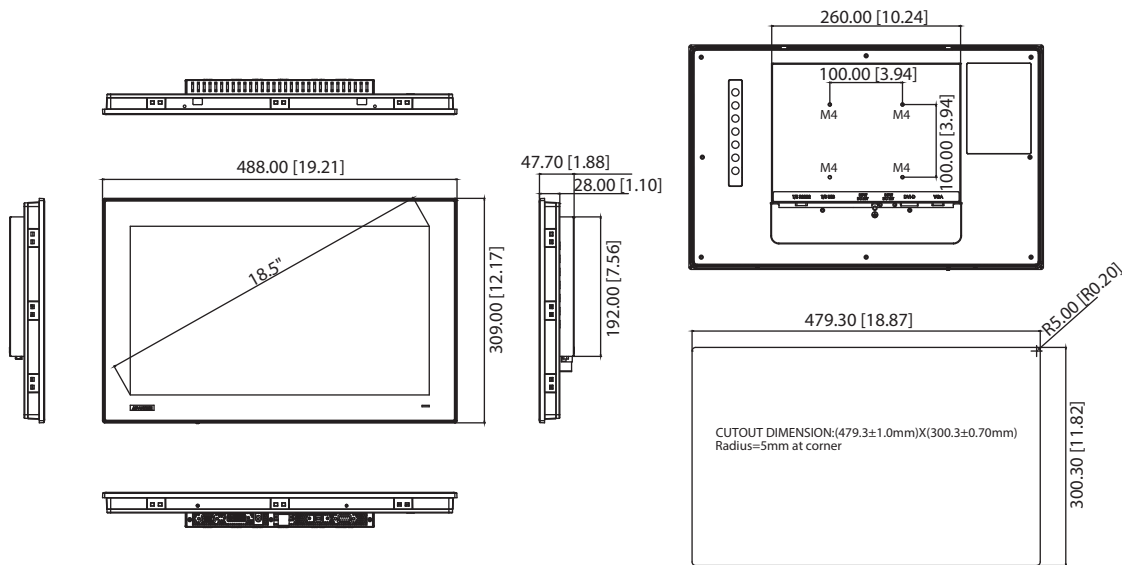
## Accessories

- **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-7181W-SMKE** FPM-7181W Mounting kit for desktop & wall



## Dimensions

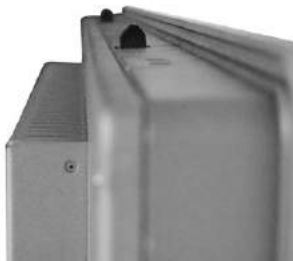
Unit: mm [inch]



**Panel Cut-out Dimensions: 479.30 x 300.30 mm (18.87" x 11.82")**

## Easy Installation

### Snap hook in rear cover



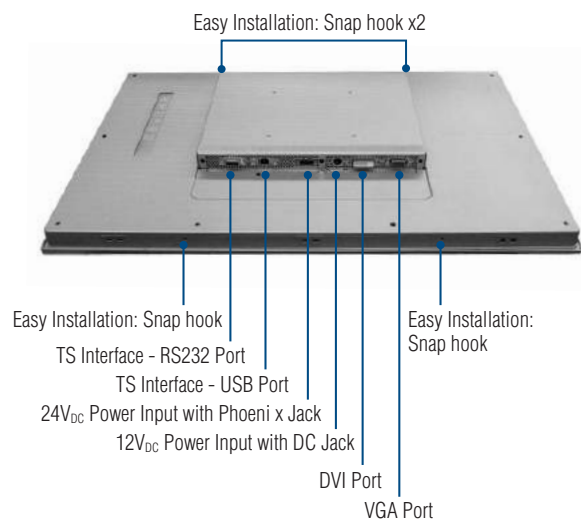
Screw to set up the snap hook out of upper side

### Stopper Screw in rear cover



Screw for the stopper screw out of down side

## Rear View



# FPM-7151W

## 15.6" WXGA Industrial Monitor with PCT Touch, Direct-VGA/DVI or VGA/HDMI ports

NEW



### Features

- 15.6" WXGA TFT LED LCD backlight LCD with truly-flat multi-touch screen
- 16:9 wide screen display, view area increases by 40%
- Supports 10 points multi-touch via USB interface in Windows 7/8
- Slim type design for Panel mount / Wall mount easy installation
- Various mounting options: panel, wall, desktop and VESA arm mounting
- Projected Capacitive Touchscreen with reliable glass surface
- Robust design with SECC chassis and Magnesium alloy front panel with IP66 compliance
- OSD control pad on rear cover
- Lockable I/O connectors
- Two types of video port selections- VGA/DVI or VGA/HDMI

### Introduction

With its brand new design, the FPM-7151W provides a new wide screen display size with industrial grade design concept. By truly-flat touch screen, the front bezel meets IP66 testing criteria. FPM-7151W projected capacitive touch can support 10 points (via USB interface in Windows 7/8) touch application. New easy installation design can help you with one person for panel mounting. FPM-7151W monitor with slim enclosure is ideally suited to being either panel or wall mounted.

### Specifications

#### General

- **OSD Controls** OSD control in rear cover
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)** 419.7 x 269 x 47.7 mm (16.52" x 10.59" x 1.88")
- **Enclosure** Front panel: Die-cast Magnesium alloy  
Rear cover: SECC
- **Mounting** Panel, wall, desktop, VESA (MIS,100,C)
- **Power Input** Phoenix Jack: 24 V<sub>DC</sub> input  
DC Jack: external 57 W power adapter, with 100 ~ 240 V<sub>AC</sub> input and 12 V<sub>DC</sub> @ 4.75 A output

Note: AC power adapter is included.

- **Power Consumption** 20 W + 20%
- **Video Port** VGA & DVI-D or VGA & HDMI
- **Weight (Net)** 5kg (11lbs)

#### LCD Display

- **Display Type** WXGA TFT LED LCD
- **Display Size** 15.6"
- **Max. Resolution** 1366 x 768
- **Max. Color** 16.7 M
- **Viewing Angle (H/V°)** 170/160
- **Luminance (cd/m²)** 300
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 500:1

#### Touchscreen

- **Type** Projected capacitive touch
- **Interface** RS-232 and USB
- **Light Transmission** Above 75%
- **OS Support** Windows XP, Vista, 7, 8, XPe and Linux
- **Multi Touch** 10 points, USB interface in Win 7/8.
- **Hardness** 7H

#### Environment

- **Operation Temperature** 0 ~ 55°C (32 ~ 131°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is IP66 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

### Ordering Information

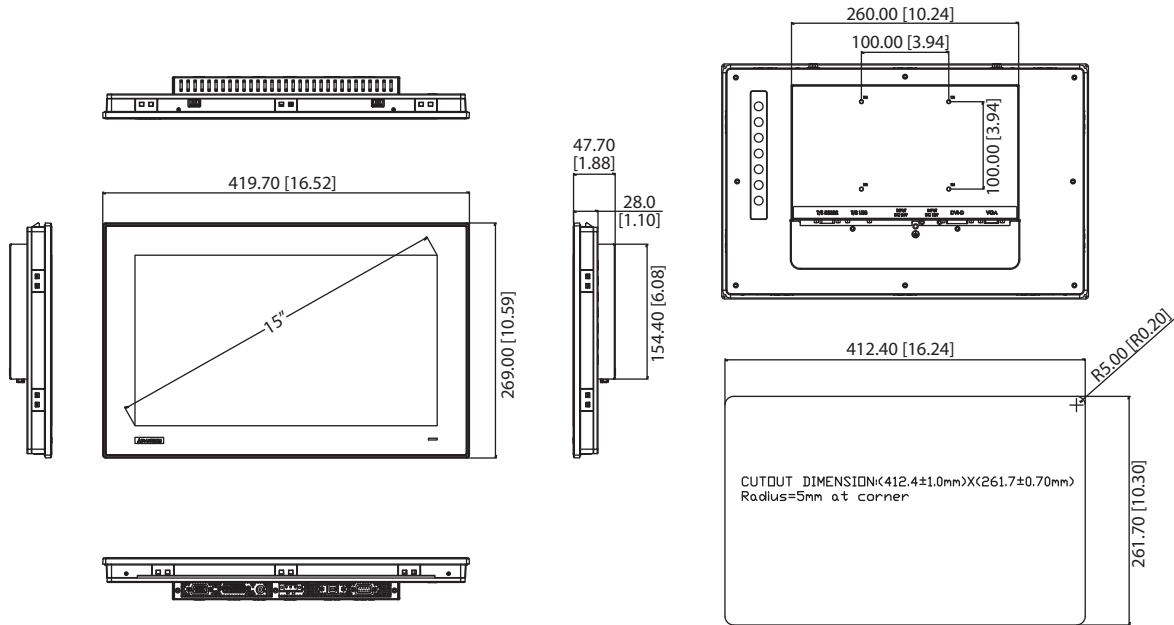
- **FPM-7151W-P3AE** 15.6" WXGA Ind Monitor w/PCT TS (VGA/DVI)
- **FPM-7155W-P3AE** 15.6" WXGA Ind Monitor w/PCT TS (VGA/HDMI)

### 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-7181W-SMKE** FPM-7181W Mounting kit for desktop & wall

## Dimensions

Unit: mm [inch]



Panel Cut-out Dimensions: 412.40 x 261.70 mm (16.24" x 10.30")

## Easy Installation

### Snap hook in rear cover



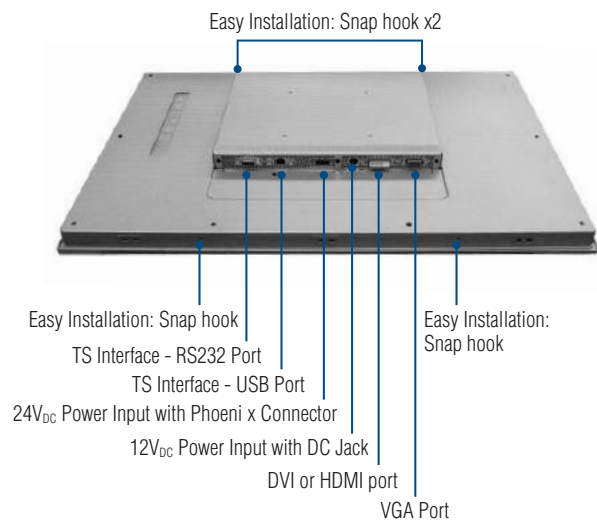
Screw to set up the snap hook out of upper side

### Stopper Screw in rear cover



Screw for the stopper screw out of down side

## Rear View



# FPM-7151T

## 15" XGA Industrial Monitor with Resistive Touchscreen, Direct-VGA/DP and Wide Operating Temperature Range

NEW



### Features

- 15" XGA TFT LED LCD with 50,000 backlight life time
- Robust design with IP66 compliance aluminum front panel
- Wide operating temperature support -20~60°C
- Anti-glare screen with tempered glass
- Supports Panel, Wall, Desktop, Rack or VESA arm mounting
- Combo RS-232 & USB interface for touchscreen function
- OSD control pad on rear cover
- Lockable I/O connectors

### Introduction

FPM-7000T series is the first true-flat design in 4:3 industrial grade monitor. To enhance its durability, the FPM-7000T series is true-flat touch screen designed with IP66 front protection, die-cast Al Alloy front bezel and 5-wire resistive touch. It supports wide operating temperatures -20~60°C for a variety of user environments. Designed with various mounting methods for users to apply into the system or adopt to the environment easily.

### Specifications

#### General

- **OSD Controls** OSD control in rear cover
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)** 383.2 x 307.3 x 48.2 mm (15.09" x 12.10" x 1.90")
- **Enclosure** Front panel: Die-cast Magnesium alloy  
Rear cover: SECC
- **Mounting** Stand, Wall, Panel or Rack mount
- **Power Input** Phoenix x Jack: 24 V<sub>DC</sub> input
- **Power Consumption** 12 W + 20%
- **Video Port** VGA & DP
- **Weight (Net)** 4.2kg (9.26lbs)

#### LCD Display

- **Display Type** XGA TFT LED LCD
- **Display Size** 15"
- **Max. Resolution** 1024 x 768
- **Max. Color** 16.7M
- **Viewing Angle (H/V°)** 160/140
- **Luminance (cd/m2)** 400
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700 :1

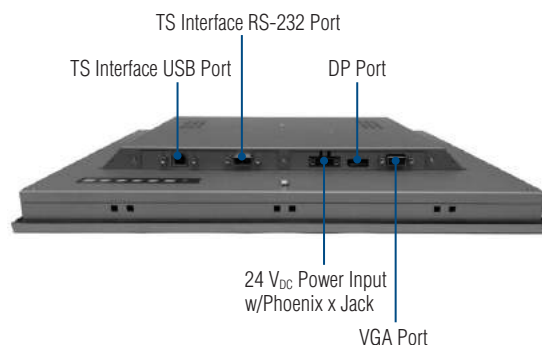
#### Touchscreen

- **Type** 5-wire, analog resistive
- **Interface** RS-232 and USB
- **Light Transmission** Above 75%
- **OS Support** Windows XP, Vista, 7, 8, XPe and Linu x

#### Environment

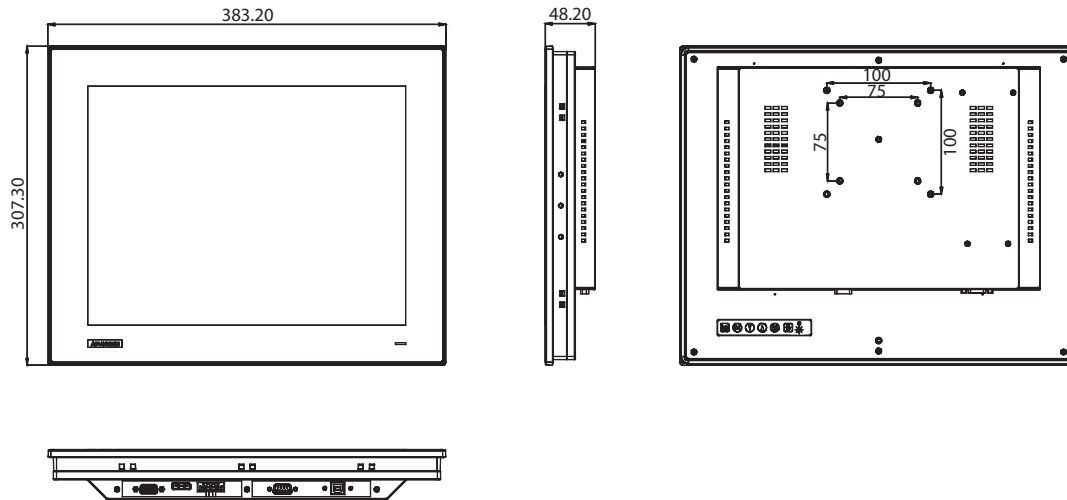
- **Operation Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Storage Temperature** -30 ~ 80°C (-22 ~ 176°F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is IP66 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

### I/O View



## Dimensions

Unit: mm



Panel Cut-out Dimensions: 372.9 x 296.9 mm (14.68" x 11.69")

## Ordering Information

- **FPM-7151T-R3AE** 15" XGA Ind Monitor w/Resistive TS (VGA/DP)

### 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
- **1757003934** ADAPTER 100-240V 60W 12V 5A W/O PFC  
DPS-60PB A A
- **FPM-2150G-RMKE** Rack-Mount Kit

## Front View



Power Indicator  
Blue: Power on  
Orange: Power off

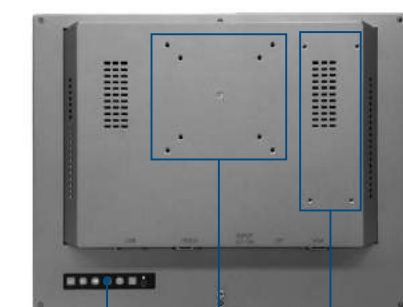
## Side View

O-ring for dust & water protection  
while panel mounting

Panel mounting design  
(Clampers & screw included)



## Rear View



LCD OSD Control Keys

VESA Mount, Wall Mount  
& Desk Mount

Adapter Mounting Area  
(Bracket included)

# FPM-7121T

## 12.1" XGA Industrial Monitor with Resistive Touchscreen, Direct-VGA/DP and Wide Operating Temperature Range

NEW



### Features

- 12.1" XGA TFT LED LCD with 50,000 backlight life time
- Robust design with IP66 compliance aluminum front panel
- Wide operating temperature support -20~60°C
- Anti-glare screen with tempered glass
- Supports Panel, Wall, Desktop, Rack or VESA arm mounting
- Combo RS-232 & USB interface for touchscreen function
- OSD control pad on rear cover
- Lockable I/O connectors

### Introduction

FPM-7000T series is the first true-flat design in 4:3 industrial grade monitor. To enhance its durability, the FPM-7000T series is true-flat touch screen designed with IP66 front protection, die-cast Al Alloy front bezel and 5-wire resistive touch. It supports wide operating temperatures -20~60°C for a variety of user environments. Designed with various mounting methods for users to apply into the system or adopt to the environment easily.

### Specifications

#### General

- **OSD Controls** OSD control in rear cover
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)** 311.8 x 238 x 44.6 mm (12.28" x 9.37" x 1.76")
- **Enclosure** Front panel: Die-cast Magnesium alloy  
Rear cover: SECC
- **Mounting** Stand, Wall, Panel or Rack mount
- **Power Input** Phoenix x Jack: 24 V<sub>DC</sub> input
- **Power Consumption** 12 W + 20%
- **Video Port** VGA & DP
- **Weight (Net)** 2.6kg (5.73lbs)

#### LCD Display

- **Display Type** XGA TFT LED LCD
- **Display Size** 12.1"
- **Max. Resolution** 1024 x 768
- **Max. Color** 16.2M
- **Viewing Angle (H/V°)** 160/140
- **Luminance (cd/m2)** 600
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700 :1

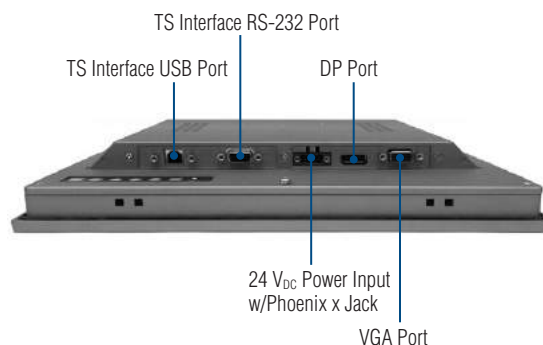
#### Touchscreen

- **Type** 5-wire, analog resistive
- **Interface** RS-232 and USB
- **Light Transmission** Above 75%
- **OS Support** Windows XP, Vista, 7, 8, XPe and Linu x

#### Environment

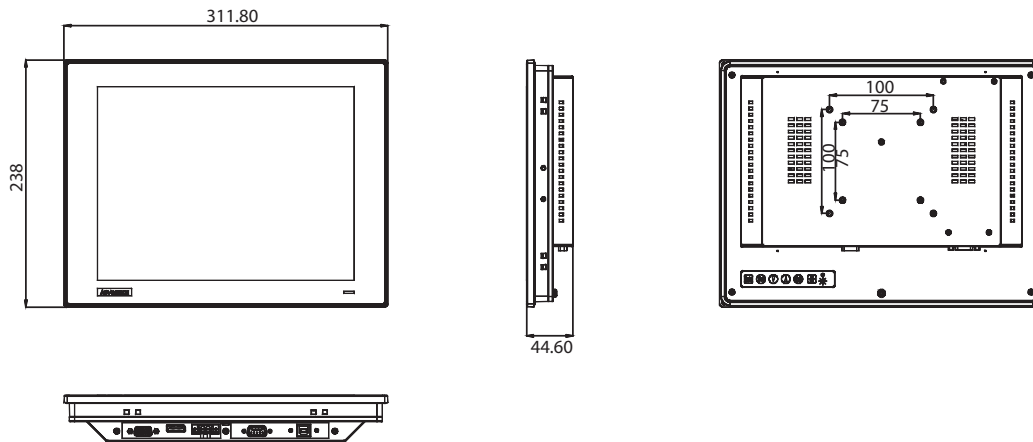
- **Operation Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Storage Temperature** -30 ~ 80°C (-22 ~ 176°F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is IP66 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

### I/O View



## Dimensions

Unit: mm



**Panel Cut-out Dimensions: 301.6 x 227.6 mm (11.87" x 8.96")**

## Ordering Information

- **FPM-7121T-R3AE** 12.1" XGA Ind Monitor w/Resistive TS (VGA/DP)

### 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
- **1757003934** ADAPTER 100-240V 60W 12V 5A W/O PFC  
DPS-60PB A A
- **FPM-2120G-RMKE** Rack-Mount Kit

## Front View

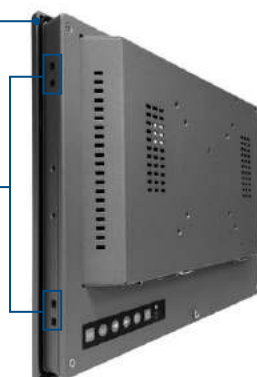


Power Indicator  
Blue: Power on  
Orange: Power off

## Side View

O-ring for dust & water protection  
while panel mounting

Panel mounting design  
(Clampers & screw included)



## Rear View



LCD OSD Control Keys

VESA Mount, Wall Mount  
& Desk Mount

Adapter Mounting Area  
(Bracket included)



# FPM-5191G

# FPM-5171G

# FPM-5151G

## 15" XGA/17" SXGA/19" SXGA Industrial Monitors with Resistive Touchscreens, Direct-VGA, and DVI Ports



### Features

- 15" XGA or 17" / 19" SXGA TFT LED LCD with 50,000 backlight life time
- Direct VGA & DVI-D input interface
- Lockable OSD keys with 2 user-defined contrast/brightness settings
- Flat-sealed and IP65 certified front panel
- Robust design with anti-rust chassis and aluminum die-cast front panel
- Front accessible USB connector
- Combo RS-232 & USB interface for touchscreen function (optional)
- Supports industrial 10-30 V<sub>DC</sub> power input with Phoenix jack
- Supports panel, wall, desktop, rack or VESA arm mounting

### Introduction

The FPM-5000G series provides 15", 17" and 19" color TFT LCD with LED backlight flat panel monitors specifically designed for industrial applications. With a viewing size from 15" to 19", they present ample display areas as well as vivid and sharp images. It features Direct-VGA & DVI-D signal transmission, which allows VGA control cards to be used in your system. The onscreen display allows users to adjust the images on the screen with two user-defined settings. The front access USB connector provides easy access the controller, and the industrial 10-30 V<sub>DC</sub> wide range power support makes this product an excellent option for Factory and Machine Automation display solutions.

### Specifications

#### General

- **Button Controls** OSD control pad on rear side with lockable function
- **Certification** BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)**
  - 5151G: 449.92 x 315.63 x 50.5 mm (17.71" x 12.43" x 1.99")
  - 5171G: 481.9 x 355.9 x 55 mm (18.97" x 14.01" x 2.17")
  - 5191G: 481.93 x 384.6 x 59 mm (18.97" x 15.14" x 2.32")
- **Enclosure** Front panel: Aluminum and flat-sealed  
Rear cover: Anti-rust coating
- **Mounting** Panel, wall, desktop, VESA arm, or 19" rackmount
- **Power Input** Phoenix Jack - 10 ~ 30 V<sub>DC</sub> input  
Optional external 57 W power adapter, with AC 100 V ~ 240 V input and DC +12 V @ 4.7A output
- **Power Consumption** 18 W + 20%/31 W + 20%/32 W + 20%
- **USB** Front USB access for extension
- **Video Port** VGA & DVI-D
- **Weight (Net)** 6 kg (13.22 lbs)/8 kg (17.63 lbs)/10 kg (22.04 lbs)

#### LCD Display

- **Display Type** XGA/SXGA/SXGA TFT LCDs
- **Display Size** 15"/17"/19"
- **Max. Resolution** 1024 x 768/1280 x 1024/1280 x 1024
- **Max. Color** 16.2M / 16.7M / 16.7M
- **Viewing Angle (H/V°)** 160/140, 170/160, 170/160
- **Luminance (cd/m²)** 400/350/350
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700:1 / 1000:1 / 1000:1

#### Touchscreen (Optional)

- **Sensor** AMT
- **Driver** Penmount 6000
- **Type** 5-wire Resistive
- **Interface** RS-232 & USB
- **Lifespan** 10/10/36 million with a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
- **Light Transmission** > 80%
- **OS Support** Windows XP/Vista, 7, 8, XPe, CE and Linux
- **Power Consumption** +5 V @ 100 mA
- **Touch Resolution** Linearity

#### Environment

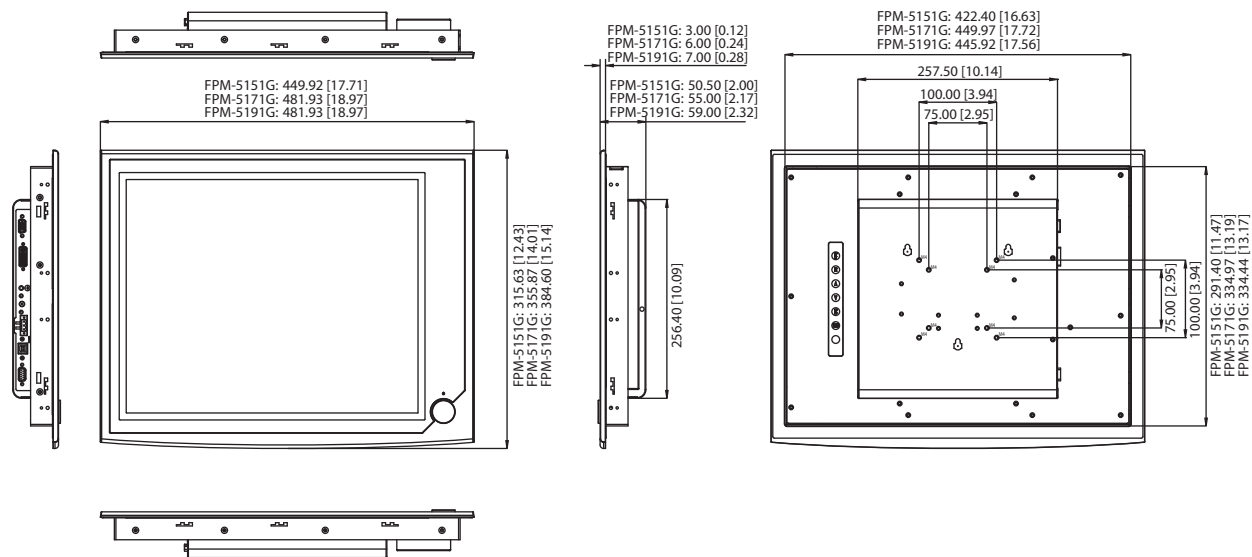
- **Operation Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity (Storage)** 10 ~ 90% non-condensing
- **Waterproof** Front panel is IP65 compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

### Ordering Information

- **FPM-5191G-X0BE** 19" SXGA Ind. Monitor
- **FPM-5191G-R3BE** 19" SXGA Ind. Monitor w/Resistive TS(RS-232,USB)
- **FPM-5171G-X0BE** 17" SXGA Ind. Monitor
- **FPM-5171G-R3BE** 17" SXGA Ind. Monitor w/Resistive TS(RS-232,USB)
- **FPM-5151G-X0BE** 15" XGA Ind. Monitor
- **FPM-5151G-R3BE** 15" XGA Ind. Monitor w/Resistive TS(RS-232,USB)

## Dimensions

Unit: mm [inch]

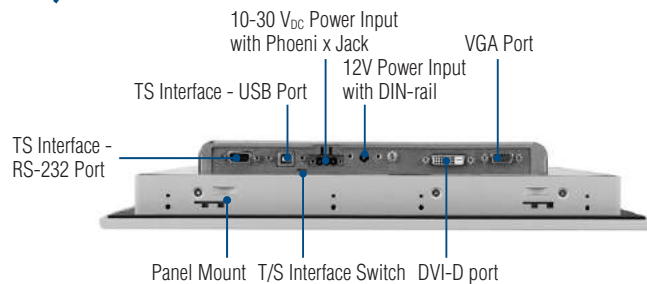


## Accessories

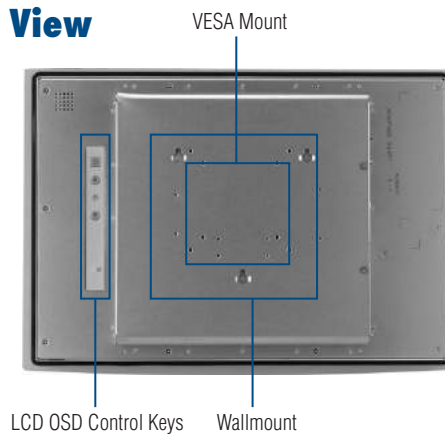
- **FPM-5151G-SMKE** FPM-5151G/5171G Stand Kit
- **FPM-5191G-SMKE** FPM-5191G Stand Kit
- **IPPC-6152A-RMKE** IPPC-6152A/FPM-5151G Rack Mount Kit
- **IPPC-6172A-RMKE** IPPC-6172A/FPM-5171G Rack Mount Kit
- **IPPC-6192A-RMKE** IPPC-6192A/FPM-5191G Rack Mount Kit
- **1702002600** Power Cable US Plug 1.8 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
- **1757003822** ADAPTER 100-240V57W12V4.75A W/O PFC SPU63-105 L5

Note: VESA mounting screw length: M4 x 6mm

## I/O View



## Back View



## Front Accessible USB Port



# FPM-2170G

## 17" SXGA Industrial Monitor with Resistive Touchscreen and Direct-VGA Port

NEW



### Features

- 17" SXGA TFT LED LCD with 50,000 backlight life time
- Robust design with aluminum front panel
- Anti-glare screen with tempered glass
- Supports Panel, Wall, Desktop, Rack or VESA arm mounting
- Combo RS-232 & USB interface for touchscreen function

### Introduction

The FPM-2170G is an industrial-grade 17" TFT LCD with LED backlight flat panel monitor with an Al-Mg front panel, a modern appearance, and one of the most competitive prices for 17" LCD with LED backlight monitor on the market. The FPM-2170G are also extremely light and thin, and provides many industrial-grade features such as a stainless steel chassis, VESA mounting flexibility, and more. The FPM-2170G are especially suitable for industrial PCs such as IPC-610 or IPC-6806. This combination leads to an extremely reliable and tough system, ready to operate in a wide variety of industrial applications.

### Specifications

#### General

- **Button Controls** OSD (Onscreen Display) control pad on rear cover
- **Certification** BSMI, CCC, CE, FCC, UL
- **Dimensions (W x H x D)** 413.72 x 347.22 x 52.13 mm (16.29" x 13.67" x 2.05")
- **Enclosure** Front panel: Aluminum, Rear cover: SECC chassis
- **Mounting** Panel, wall, desktop, VESA arm, or 19" rackmount with optional mounting kit
- **Power Input** External 60 W power adapter, with AC 100 V ~ 240 V input and DC +12 V @ 5 A output (included)
- **Video Port** VGA
- **Weight (Net)** 5.60 kg (12.34 lbs)

#### LCD Display

- **Display Type** SXGA TFT LCD with LED Backlight
- **Display Size** 17"
- **Max. Resolution** 1280 x 1024
- **Max. Color** 16.7M
- **Viewing Angle (H/V)°** 170°(V), 160°(H)
- **Luminance (cd/m2)** 350
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 1000:1

#### Touchscreen (Optional)

- **Interface** Combo RS-232 & USB interface
- **Lifespan** 36 millions times with a silicone rubber of R8 finger, hitting rate is calculated as being 250g at 2 times per second
- **OS Support** Windows® XP, Vista, 7, 8, XPe, CE and Linux

#### Environment

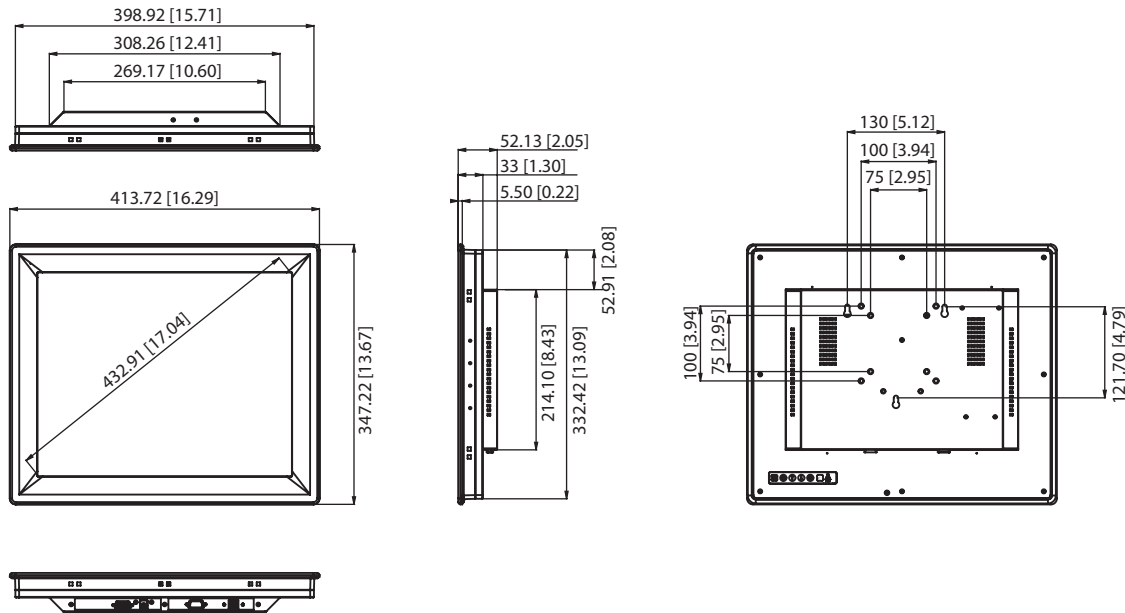
- **Operation Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity (Storage)** 10 ~ 95% non-condensing
- **Waterproof** Front Panel IP65 Compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

### Ordering Information

- **FPM-2170G-X0AE** 17" SXGA Industrial LED Monitor
- **FPM-2170G-R3AE** 17" SXGA Industrial LED Monitor w/Resistive TS (RS-232 and USB interfaces)

## Dimensions

Unit: mm [inch]

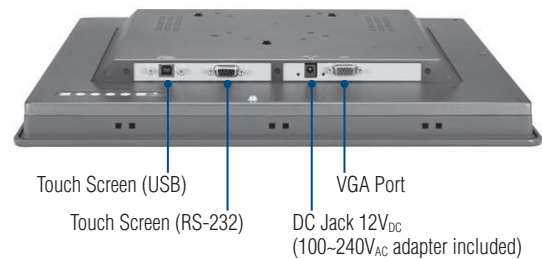


Panel Cut-out Dimensions: 400.92 x 334.42 mm (15.78" x 13.17")

## Accessories

- **FPM-2170G-RMKE** FPM-2170G Rack-Mount Kit
- **FPM-2120G-SMKE** FPM-2120G/2150G/2170G Stand Kit
- **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

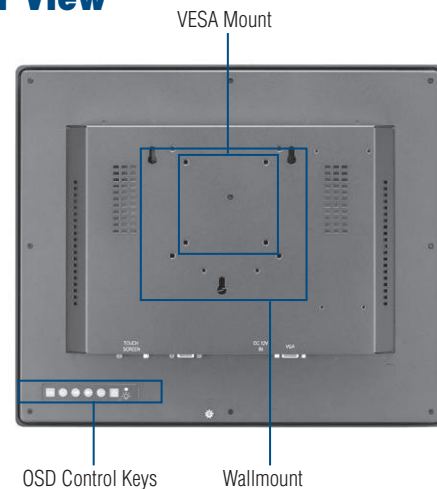
## I/O View



## Front View



## Rear View



# FPM-2150G

## 15" XGA Industrial Monitor with Resistive Touchscreen and Direct-VGA Port

NEW



### Features

- 15" XGA TFT LED LCD with 50,000 hours of backlight life
- Robust design with aluminum front panel
- Lockable OSD control pad on rear cover
- Anti-glare screen with tempered glass and IP65 certified front panel
- Supports Panel, Wall, Desktop, Rack or VESA arm mounting
- Combo RS-232 & USB interface for touchscreen function

### Introduction

FPM-2150G is an industrial-grade 15" TFT LED LCD flat panel monitor with an Al-Mg front panel, a modern appearance, and one of the most competitive prices for 15" LCD monitors on the market. The FPM-2150G is also extremely light and thin, and provides many industrial-grade features such as a stainless steel chassis, VESA mounting flexibility, and more. The FPM-2150G is especially suitable for industrial PCs. This combination leads to an extremely reliable and tough system, ready to operate in a wide variety of industrial applications.

### Specifications

#### General

- **Button Controls** OSD (Onscreen Display) control pad on rear cover
- **Certification** BSMI, CCC, CE, FCC, UL
- **Dimensions (W x H x D)** 383 x 307 x 48.13 mm (15.08" x 12.09" x 1.89")
- **Enclosure** Front panel: Aluminum with coating, Rear cover: SECC coating chassis
- **Mounting** Panel, wall, desktop, VESA arm, or rackmount with optional mounting kit
- **Power Input** External 60 W power adapter, with AC 100 V ~ 240 V input and DC +12 V @ 5 A output (included)
- **Video Port** VGA
- **Weight (Net)** 4.5 kg (9.9 lbs)

#### LCD Display

- **Display Type** XGA TFT LCD with LED backlight
- **Display Size** 15"
- **Max. Resolution** 1024 x 768
- **Max. Color** 16.2M
- **Viewing Angle (H/V)°** 160, 140
- **Luminance (cd/m<sup>2</sup>)** 400
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700:1

#### Touchscreen (Optional)

- **Interface** Combo RS-232 & USB interface
- **Lifespan** 36 millions times with a silicone rubber of R8 finger, hitting rate is calculated as being 250g at 2 times per second
- **OS Support** Windows® XP, Vista, 7, 8, XPe, CE and Linux

#### Environment

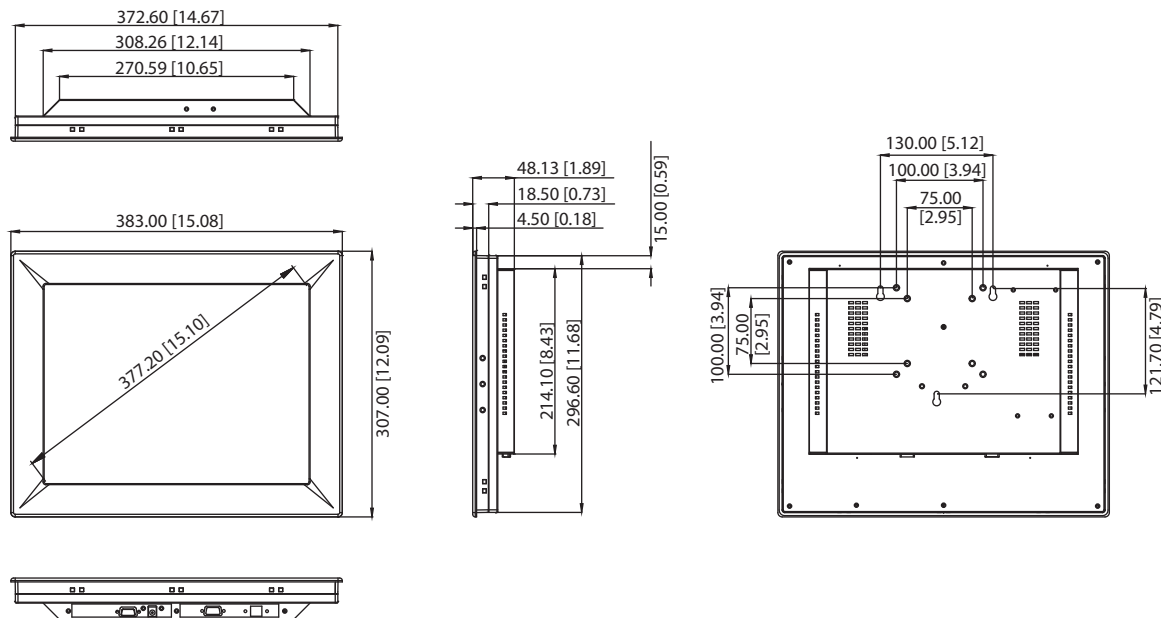
- **Operation Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity (Storage)** 10 ~ 95% non-condensing
- **Waterproof** Front Panel IP65
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

### Ordering Information

- **FPM-2150G-X0AE** 15" XGA Industrial LED Monitor
- **FPM-2150G-R3AE** 15" XGA Industrial LED Backlight Monitor w/Resistive TS (RS-232 and USB interfaces)

## Dimensions

Unit: mm [inch]

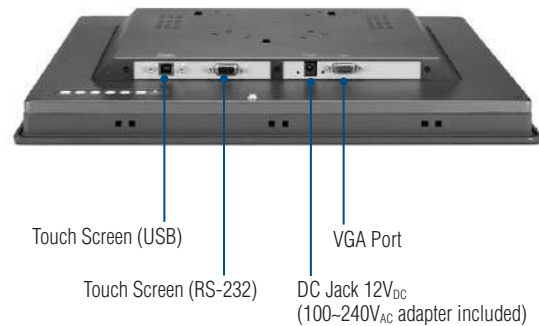


**Panel Cut-out Dimensions: 374.6 x 298.6 mm (14.75" x 11.76")**

## Accessories

- **FPM-2150G-R1MKE** FPM-2150G Rack-Mount Kit
- **FPM-2120G-SMKE** FPM-2120G/2150G/2170G Stand Kit
- **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

## I/O View



- 1 WebAccess+ Solutions
- 2 Motion Control
- 3 Power & Energy Automation
- 4 Automation Software
- 5 Intelligent Operator Panel
- 6 Automation Panels
- 7 Panel PCs
- 8 Industrial Wireless Solutions
- 9 Industrial Ethernet Solutions
- 10 Industrial Gateway Solutions
- 11 Serial communication cards
- 12 Embedded Automation PCs
- 13 DIN-Rail IPCs
- 14 CompactPCI Systems
- 15 IoT Wireless I/O Modules
- 16 IoT Ethernet I/O Modules
- 17 RS-485 I/O Modules
- 18 Data Acquisition Boards

# FPM-2120G

## 12" SVGA Industrial Monitor with Resistive Touchscreen and Direct-VGA Port

NEW



### Features

- 12" SVGA TFT LED LCD with 50,000 backlight life time
- Robust design with aluminum front panel
- Anti-glare screen with tempered glass
- Supports Panel, Wall, Desktop, Rack or VESA arm mounting
- Combo RS-232 & USB interface for touchscreen function

### Introduction

The FPM-2120G is an industrial-grade 12" TFT LCD with LED backlight flat panel monitor with an Al-Mg front panel, a modern appearance, and one of the most competitive prices for 12" LCD with LED backlight monitor on the market. The FPM-2120G is also extremely light and thin, and provides many industrial-grade features such as a stainless steel chassis, VESA mounting flexibility, and more. The FPM-2120G is especially suitable for industrial PCs such as IPC-610 or IPC-6806. This combination leads to an extremely reliable and tough system, ready to operate in a wide variety of industrial applications.

### Specifications

#### General

- **Button Controls** OSD (Onscreen Display) control pad on rear cover
- **Certification** BSMI, CCC, CE, FCC, UL
- **Dimensions (W x H x D)** 311 x 237 x 40.63 mm (12.24" x 9.33" x 1.60")
- **Enclosure** Front panel: Aluminum, Rear cover: SECC chassis
- **Mounting** Panel, wall, desktop, VESA arm, or 19" rackmount with optional mounting kit
- **Power Input** External 60 W power adapter, with AC 100 V ~ 240 V input and DC +12 V @ 5 A output (included)
- **Video Port** VGA
- **Weight (Net)** 4kg (8.82 lbs)

#### LCD Display

- **Display Type** SVGA TFT LCD with LED backlight
- **Display Size** 12"
- **Max. Resolution** 800 x 600
- **Max. Color** 16.2M
- **Viewing Angle (H/V)°** 160°(V), 140°(H)
- **Luminance (cd/m2)** 450
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** 700:1

#### Touchscreen (Optional)

- **Interface** Combo RS-232 & USB interface
- **Lifespan** 36 millions times with a silicone rubber of R8 finger, hitting rate is calculated as being 250g at 2 times per second
- **OS Support** Windows® XP, Vista, 7, 8, XPe, CE and Linux

#### 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 IP65 Compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)

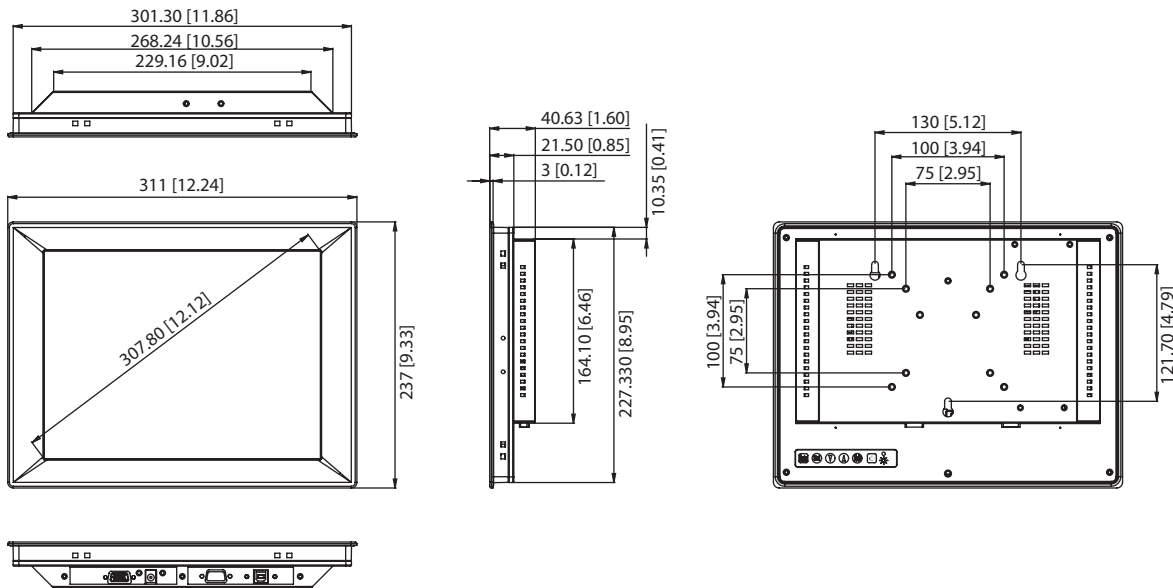
### Ordering Information

- **FPM-2120G-X0AE** 12" SVGA Industrial LED Monitor
- **FPM-2120G-R3AE** 12" SVGA Industrial LED Monitor w/Resistive TS (RS-232 and USB interfaces)



## Dimensions

Unit: mm [inch]

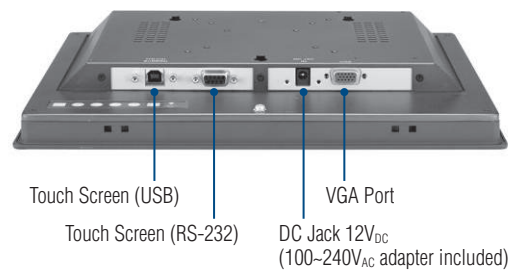


Panel Cut-out Dimensions: 303.3 x 229.3 mm (11.94" x 9.03")

## Accessories

- **FPM-2120G-SMKE** FPM-2120G/2150G/2170G Stand Kit
- **FPM-2120G-RMKE** FPM-2120G Rack-Mount Kit
- **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
- **1702002600** Power Cable US Plug 1.8 M

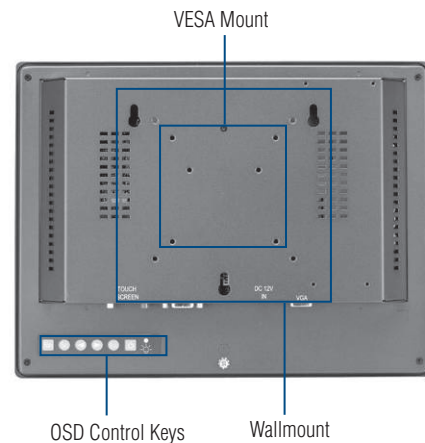
## I/O View



## Front View



## Rear View



# TPC Installation Accessories

## TPC VESA Mounting Kit

### TPC-1000H-WMKE

#### Features

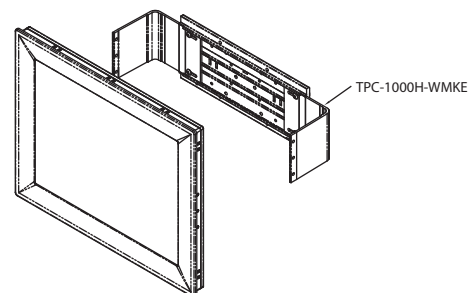
- Support VESA 75/100
- Adjustable design for 10" ~ 17" TPC
- Support any mounting with VESA

#### Ordering Information

- TPC-1000H-WMKE

#### Supported Models

- TPC-1250H, TPC-1550H, TPC-1750H
- TPC-1251H, TPC-1551H
- TPC-1071H, TPC-1271H, TPC-1571H, TPC-1771H
- TPC-1282T, TPC-1582H, TPC-1782H
- TPC-1251T, TPC-1551T, TPC-1751T



## TPC-Stand Kit

### TPC-1000H-SMKE

#### Features

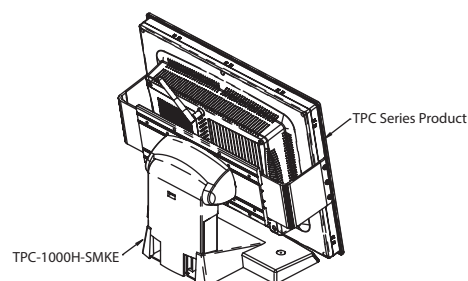
- Adjustable design for 10" ~ 17" TPC
- Adjustable view angle from 10° ~ 30°
- Can be fixed stood on the horizontal plane

#### Ordering Information

- TPC-1000H-SMKE

#### Supported Models

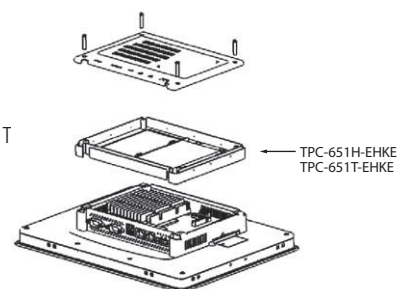
- TPC-1250H, TPC-1550H, TPC-1750H
- TPC-1251H, TPC-1551H
- TPC-1071H, TPC-1271H, TPC-1571H, TPC-1771H
- TPC-1282T, TPC-1582H, TPC-1782H
- TPC-1251T, TPC-1551T, TPC-1751T



## TPC HDD Extension Kit

### Ordering Information & Supported Models

- TPC-651H-EHKE (HDD extension kit for TPC-1250H, TPC-1550H, TPC-1750H, TPC-1251H, TPC-1551H)
- TPC-1251T-EHKE (HDD and iDoor extension kit for TPC-1051WP, TPC-1251T, TPC-1551T, TPC-1551WP, TPC-1751T)



## SPC M12 connector Kit

### Ordering Information & Supported Models

- SPC-1840WP-MOKE (5 x M12 Connectors for SPC-1840WP/2140WP)
- SPC-1840WP-MCKE (5 x M12 Cables supporting standard I/O connector for SPC-1840WP/2140WP)
- TPC-8100TR-MOKE (9 x M12 Connectors for TPC-8100TR)
- TPC-8100TR-MCKE (9 x M12 Cables supporting standard I/O connector for TPC-8100TR)



## AC to DC Power Adapter



#### Features

- Input Voltage: 100-240V<sub>AC</sub>, 47Hz-63Hz
- Output Voltage: 24V<sub>DC</sub>

#### Supported Models

- TPC-50H-N series TPC-51H-Z series
- TPC-51T-E & TPC-51H-E series

#### Ordering Information

- PWR-247-BE



#### Features

- Input Voltage: 100-240V<sub>AC</sub>, 47Hz-63Hz
- Output Voltage: 24V<sub>DC</sub>

#### Supported Models

- TPC-1582H/1782H
- TPC-1581WP/TPC-1881WP

#### Ordering Information

- PWR-248-AE

#### Cable

Model Name	Part Number	Description
	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 Accessories



Panel Mount

Desktop Stand

Arm Mount

Rack Mount

VESA Mount

## Panel Mount

(\* Included in accessory box)

Model Name	Part Number	Description
All FPM Series	1962055040*	CLAMPER PPC-55 M1632611 A2
	1935042520	Screw M4*25L R/S D=8.3 H=2.5 + ST BZn

## Rack Mount

Model Name	Part Number	Description
FPM-2120G	FPM-2120G-RMKE	FPM-2120G Rack-Mount Kit
FPM-2150G	FPM-2150G-R1MKE	FPM-2150G Rack-Mount Kit
FPM-2170G	FPM-2170G-RMKE	FPM-2170G Rack-Mount Kit
FPM-3121G	Not support	
FPM-3151G	FPM-3151G-RMKE	Mounting kit for 19" industrial rack
FPM-3171G FPM-3171S		Direct rack mounting, no need accessory
FPM-3191G FPM-3191S		Direct rack mounting, no need accessory
FPM-5000 series	IPPC-6152A-RMKE	IPPC-6152A/FPM-5151G Rack Mount Kit
	IPPC-6172A-RMKE	IPPC-6172A/FPM-5171G Rack Mount Kit
	IPPC-6192A-RMKE	IPPC-6192A/FPM-5191G Rack Mount Kit
FPM-7000 W series	Not support	
FPM-7121T	FPM-2120G-RMKE	
FPM-7151T	FPM-2150G-RMKE	









## Stand/Wall Mount

Model Name	Part Number	Description
FPM-2000 Series	FPM-2120G-SMKE	FPM-2120G/2150G/2170G Stand Kit
FPM-3121G	FPM-2150G-SMKE	Mounting kit for desktop stand & wall
FPM-3151G	FPM-2120G-SMKE	FPM-2120G/2150G/2170G Stand Kit
FPM-3171G FPM-3171S	1962317070*	FIX BRACKET (FOR FPM-3175TV) A1
	1962317080*	MOUNT BRACKET (R) (FOR FPM-3175TV) A1
	1962317090*	MOUNT BRACKET (L) (FOR FPM-3175TV) A1
	1962317070*	FIX BRACKET (FOR FPM-3175TV) A1
FPM-3191G FPM-3191S	19623190A0*	MOUNT BRACKET (L) (FOR FPM-3190TV) A1
	19623190B0*	MOUNT BRACKET (R) (FOR FPM-3190TV) A1
FPM-5000 series	FPM-5151G-SMKE	FPM-5151G/5171G Stand Kit
	FPM-5191G-SMKE	FPM-5191G Stand Kit
FPM-7000 series	FPM-7181W-SMKE	FPM-7181W Mounting kit for desktop & wall

## Adapter

Model Name	Part Number	Description
FPM-2000 series	1757003934*	ADAPTER 100-240V 60W 12V 5A W/O PFC DPS-60PB A A
FPM-3000 series	1757003822*	ADAPTER 100-240V57W12V4.75A W/O PFC SPU63-105 L5
FPM-5151/5171/5191G	1757003822	ADAPTER 100-240V57W12V4.75A W/O PFC SPU63-105 L5
FPM-5152/5172/5192G	1757002321	ADAPTER 100-240V 63W 24V 2.62A IPU63-108 SINPRO
FPM-7000 series	1757003934*	ADAPTER 100-240V 60W 12V 5A W/O PFC DPS-60PB A A

## Cable

Model Name	Part Number	Description
 	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
	1700000243	DVI CABLE 200cm FOR PDC-170
	1700019762	M CABLE DVI 24+1P(M)/DVI 24+1P(M) 300cm FPM-3121

1  
WebAccess+ Solutions

2  
Motion Control

3  
Power & Energy Automation

4  
Automation Software

5  
Intelligent Operator Panel

6  
Automation Panels

7  
Panel PCs

8  
Industrial Wireless Solutions

9  
Industrial Ethernet Solutions

10  
Industrial Gateway Solutions

11  
Serial communication cards

12  
Embedded Automation PCs

13  
DIN-Rail IPCs

14  
CompactPCI Systems

15  
IoT Wireless I/O Modules

16  
IoT Ethernet I/O Modules

17  
RS-485 I/O Modules

18  
Data Acquisition Boards