# FPM-221W

## 21.5" Full HD Industrial Monitor with P-CAP Touch Control, Direct HDMI Port

## Features

- 21.5" Full HD TFT LED LCD with true-flat touchscreen
- 16:9 wide screen aspect ratio, increases viewing area by 40%
- Supports 10-point multi-touch control via USB interface in Windows 7/8/10 OS
- Slim design enables easy installation
- Supports various mount options: panel, desktop, and VESA arm
- Touchscreen with reliable glass surface and P-CAP touch control
- Robust system with Die-casting aluminum chassis and IP66-rated aluminum alloy front bezel
- Lockable I/O connectors

## Introduction

In IIoT and Industry 4.0, more and more customers need data to be visualized to help process management and decision making. The FPM-221W is an industrial-grade, widescreen monitor with sleek, simple lines and a true-flat touchscreen. Equipped with P-CAP 10-point multi-touch control and an IP66-rated front bezel, FPM-221W is designed for intuitive operation in industrial environments such as smart factory and machine automation display applications.

## Specifications

### General

- **Certification** — BSMI, CCC, CE, FCC Class A, UL, CB
- **Dimensions (W x H x D)** — 558.4 x 349.8 x 56.2 mm (21.98 x 13.77 x 2.21 in)
- **Enclosure** — Front panel: Die-casting aluminium, Rear cover: Die-casting aluminium
- **Mounting** — Panel, VESA arm
- **Power Input** — External 60 W power adapter, with AC 100 V ~ 240 V input and DC +12 V @ 5 A output (included)
- **Video Port** — HDMI
- **Weight (Net)** — 6 kg (13.23 lb)

### LCD Display

- **Display Type** — Full HD TFT LED LCD
- **Display Size** — 21.5"
- **Max. Resolution** — 1920 x 1080
- **Max. Color** — 16.7M
- **Viewing Angle (H/V)°** — 178/178
- **Luminance (cd/m²)** — 250
- **Backlight Life (hrs)** — 50,000
- **Contrast Ratio** — 1000:1

### Touchscreen

- **Type** — Projected capacitive touch
- **Interface** — USB
- **OS Support** — Windows® 7, 8, 10, XPe, CE and Linux
- **Hardness** — 7H
- **Multi Touch** — 10 points, USB interface in Win 7/8/10, 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 IP66 Compliant
- **Vibration** — 5 ~ 500 Hz, 1 Grms (Operating, Random)
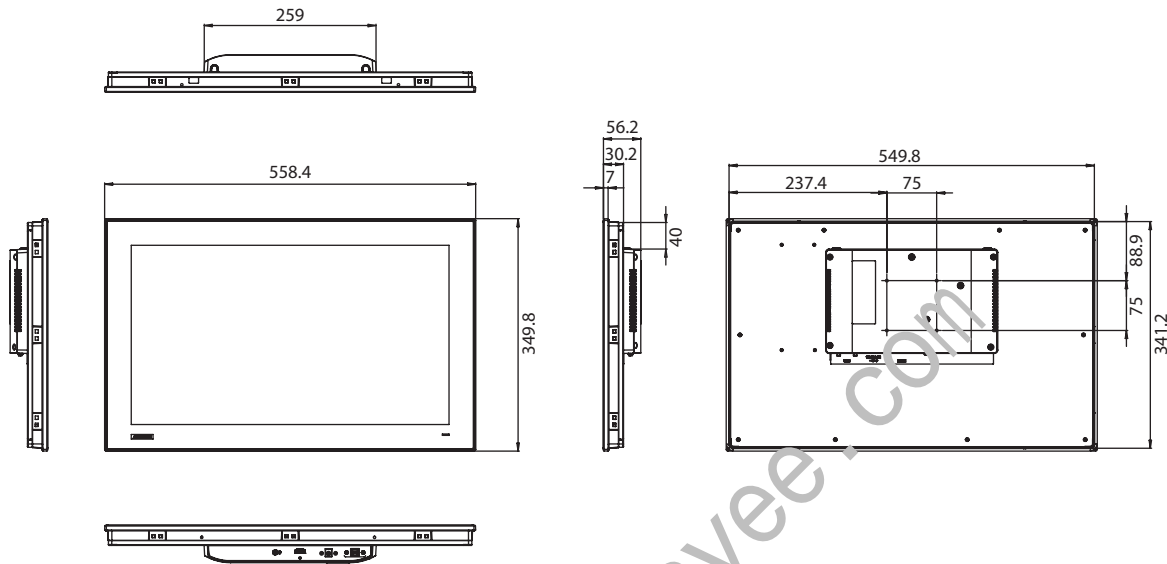
## Ordering Information

- **FPM-221W-P4AE** — 21.5" Full HD Industrial Monitor with PCAP Touch Control, Direct HDMI Input (Adapter included)
- **FPM-221W-P1AE** — 21.5" Full HD Industrial Monitor with PCAP Touch Control, Direct VGA Input (Adapter included)

## Optional Accessories

- **FPM-1000T-SMKE** — Desktop Mounting kit for FPM series
- **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
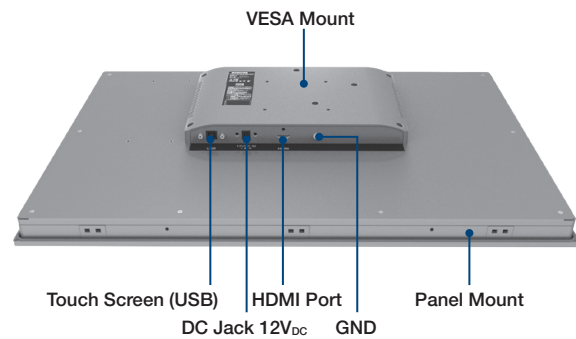- **FPM-200W-ADKE** — Adapter bracket for FPM-200W

## Dimensions

Unit: mm

259

558.4

349.8

56.2

30.2

7

40

549.8

237.4

75

88.9

75

341.2

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

## Front View

LED Indicator

## Rear View

VESA Mount

Touch Screen (USB)

HDMI Port

DC Jack 12V$_{DC}$

GND

Panel Mount

## Packing list

| Item | Part No. | Description | Qty |
|---|---|---|---|
| Adapter | 96PSA-A60W12V1-4 | ADP A/D 100-240V 60W 12V C14 DC PLUG 180° | 1 |
| USB touch Cable | 1700017851-01 | M Cable USB-A 4P(M)/USB-B 4P(M) 169CM (BK) | 1 |
| HDMI Cable | 1700026930-01 | M CABLE HDMI 19P(M)/HDMI 19P(M) 2M PCM-2901 | 1 |
| Clamper | 1960064704T000 | Clamper for PPC-3120 | 12 |
| Clamper screw | 1930005598 | Screw SP/S M6*21L D=9 H=2+ ST BZn | 12 |
| Cable lock for adapter | 1960098895N001 | Plug bracket(UNO silver) for FPM-200 series | 1 |
| Cable lock for adapter | 1930001074 | Screw M3x5L R/S D=5.5 H=2 (2+) ST Ni NK | 2 |
| Cable lock for HDMI | 1990022422S000 | Fixed rail 71.3Lx6.2W mm YJC-64C for UBC-DS31 | 1 |
| Cable lock for HDMI | 1990022423S000 | Fixed ring DIA:7.5-8.5 FWM-8K for UBC-DS31 | 1 |