

FPM-315SW FPM-321SW

**15.6", 21.5" Full HD High Brightness
Industrial Monitor with P-CAP Touch
control, Direct HDMI, DP, VGA Ports**



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-315SW/FPM-321SW are industrial-grade, widescreen monitor with sleek, simple lines anti-UV coating touchscreen. Equipped with P-CAP multi-touch control and an IP66-rated front bezel, FPM-315SW/FPM-321SW series is specifically designed for industrial applications. FPM-315SW/FPM-321SW is first use type-C one single cable Ind. high brightness Touch Monitor. Moreover, FPM-315SW/FPM-321SW support various mount options to make these monitors ideal for factory and machine automation display applications.

Specifications

General

- Certification** BSMI, CCC, CE, FCC Class A, UL, CB
- Dimensions (W x H x D)** FPM-315SW: 395.7x245.1x49.8mm (15.6x9.6x1.96")
FPM-321SW: 529.6x321.3x54.8mm (20.9x12.6x2.16")
- Enclosure** Front panel: Die-casting aluminium,
Rear cover: Die-casting aluminium
- Mount** Options Stand, Wall, Panel and VESA arm
(100 x 100mm)
- Power Input** Terminal Block: 12-24VDC, 5-2.5A input
- Video Port** HDMI, DP, VGA, and Type-C
- USB** Rear I/O USB2.0
- Weight (Net)** FPM-315SW: 5.5 kg (12.13 lb)
FPM-321SW: 7.5 kg (16.53 lb)

LCD Display

- Display Type** Full HD TFT LED LCD
- Display Size** FPM-315SW: 15.6"
FPM-321SW: 21.5"
- Max. Resolution** 1920 x 1080
- Max. Color** 16.7M
- Viewing Angle (H/V)°** 178/178
- Luminance (cd/m²)** FPM-315SW: 1,200
FPM-321SW: 1,400
- Backlight Life (hrs)** 50,000
- Contrast Ratio** FPM-315SW: 800:1
FPM-321SW: 1000:1

Touchscreen

- Type** P-CAP
- Interface** USB Type C
- OS Support** Windows® 7, 8, 10, 11, Linux (kernel after 3.13)
- Hardness** >6 Mohs
- Multi Touch** 10 points, USB interface in Win7/8/10/11, Linux (kernel after 3.13)

Features

- 15.6"/21.5" Full HD Anti-UV featured high brightness monitor
- 16:9 wide screen aspect ratio, increases viewing area by 40%
- Supports multi-touch control in Windows 7/8/10/11 OS
- 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
- Supports various mount options: panel, desktop, and VESA mounting
- First single cable Ind. Touch Monitor with high brightness
- Innovative auto-dimming mode that automatically adjusts brightness based on ambient light detection.

Environment

- Operating Temperature** -20~70°C (-4 ~ 158 °F)
- Storage Temperature** -30 ~ 80 °C (-22 ~ 176 °F)
- Relative Humidity** Operating, 95% RH @ 40 °C,
Non-Condensing
Non-Operating, 95% RH @ 60 °C,
Non-Condensing
Front Panel IP66 Compliant
- Waterproof** 5 ~ 500 Hz, 1 Grms (Operating, Random)
- Vibration** IK08
- Impact Resistance**

Ordering Information

- FPM-315SW-P5AE** 15.6" Full HD High-Brightness PCAP Industrial Monitor
- FPM-321SW-P5AE** 21.5" Full HD High-Brightness PCAP Industrial Monitor

Optional Accessories

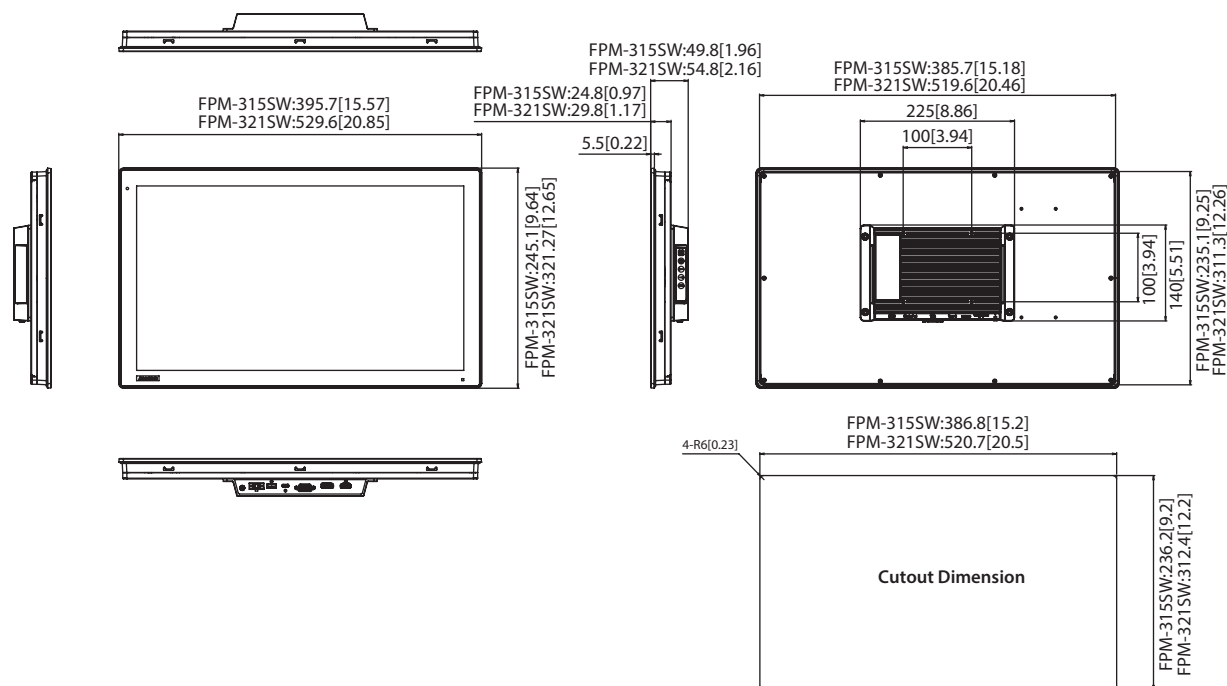
- 1702002600** Power Cable US Plug 1.8 M
- 1702002605** Power Cable EU Plug 1.8 M
- 1702031801-11** Power Cable UK Plug 1.8 M
- 1700000596-11** Power Cable China/Australia Plug 1.8 M
- PWR-247-DE** Adapter 100-240V 60W 24V 2.5A
(Operating Temperature: -20 to 40°C)

Mounting kit

- FPM-1000T-SMKE** Desktop Mounting kit for FPM series
- PPC-174T-WL-MTE** Wall mount kit A800B
- PPC-ARM-A03** ARM VESA Standard (A-CLEVER)
- PPC-STAND-A1E** Stand mounting kit

Dimensions

Unit: mm



Panel Cutout Dimensions: FPM-315SW: 386.8-0.4 x 236.2-0.4 mm (15.2 x 9.3 in)
FPM-321SW: 520.7-0.4 x 312.4-0.4 mm (20.5 x 12.2 in)

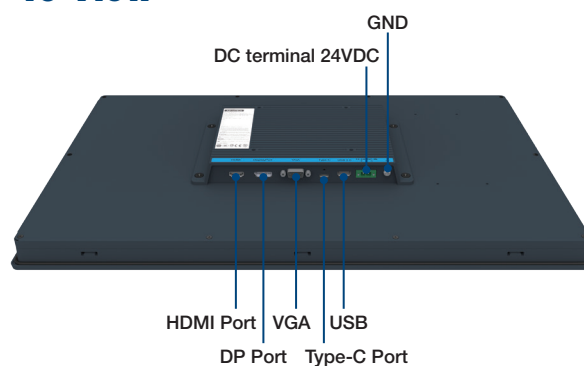
Front View



Rear View



I/O View



Packing List

Item	Part No.	Description	Qty	Note
Terminal Block	1652000099	Plug-In Block 1x3P/5.08mm/PA66/F/VA/Sn/GR/H15.0	1	
GND cable	170P000007-01	A Cable G-TEM 4.3 100CM	1	
USB touch Cable	1700035888-01	M cable USB-C 24P(M)/USB-A 4P(M) 120cm USB2.0	1	
HDMI and USB lockable kit	1990022422S000	Fixed rail 71.3Lx6.2W mm YJC-64C for UBC-DS31	2	
	1990022423S000	Fixed ring DIA:7.5-8.5 FWM-8K for UBC-DS31	2	
VGA cable	1700021332-11	M Cable D-SUB 15P(M)/D-SUB 15P(M) 180CM VESA B1	1	
Clamper	1930009015	Screw M6X20L F/S D=15 H=1.2 2+ ST/H BZN	10	
	1960112216T000	Clamper for PPC-300	10	