FPM-312S
FPM-315S

12.1", 15" XGA High Brightness Industrial Monitor with P-CAP Touch control, Direct HDMI, DP, VGA Ports



Features

- 12.1", 15" XGA Anti-UV featured high brightness monitor
- 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.

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-312S/FPM-315S are industrial-grade, monitor with sleek, simple lines anti-UV coating touchscreen. Equipped with P-CAP multi-touch control and an IP66-rated front bezel, FPM-312S/FPM-315S series is specifically designed for industrial applications. FPM-312S/FPM-315S is first use type-C one single cable Ind. high brightness Touch Monitor. Moreover, FPM-312S/FPM-315S 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-312S: 295.3 x 233.8 x 37.5mm (11.6 x 9.2 x 1.5")
  FPM-315S: 359.5 x 283.5 x 49.8mm (14.2 x 11.2 x 2")
- **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-312S: 3.6 kg (7.94 lb)
  FPM-315S: 4.8 kg (10.58 lb)

LCD Display

- **Display Type** XGA TFT LED LCD
- **Display Size** FPM-312S: 12.1"
  FPM-315S: 15"
- **Max. Resolution** 1024 x 768
- **Max. Color** 16.7M
- **Viewing Angle (H/V)°** FPM-312S: 178/178
  FPM-315S: 176/176
- **Luminance (cd/m²)** FPM-312S: 1,000
  FPM-315S: 1,800
- **Backlight Life (hrs)** 50,000
- **Contrast Ratio** FPM-312S:1000:1
  FPM-315S: 2500:1

Touchscreen

- **Type** P-CAP
- **Interface** USB Type C
- **OS Support** Windows® 7, 8, 10,11, XPe, CE
  Linux (kernel after 2.6.36)
- **Hardness** 6H
- **Multi Touch** 10 points, USB interface in Win7/8/10/11, Linux (kernel after 2.6.36)

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
- **Waterproof** Front Panel IP66 Compliant
- **Vibration** 5 ~ 500 Hz, 1 Grms (Operating, Random)
- **Impact Resistance** IK08
- **Power Consumption** FPM-312S: 20W (Max)
  FPM-315S: 30W (Max)

Ordering Information

- **FPM-312S-P5AE** 12.1" XGA High-Brightness PCAP Industrial Monitor
- **FPM-315S-P5AE** 15" XGA 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)

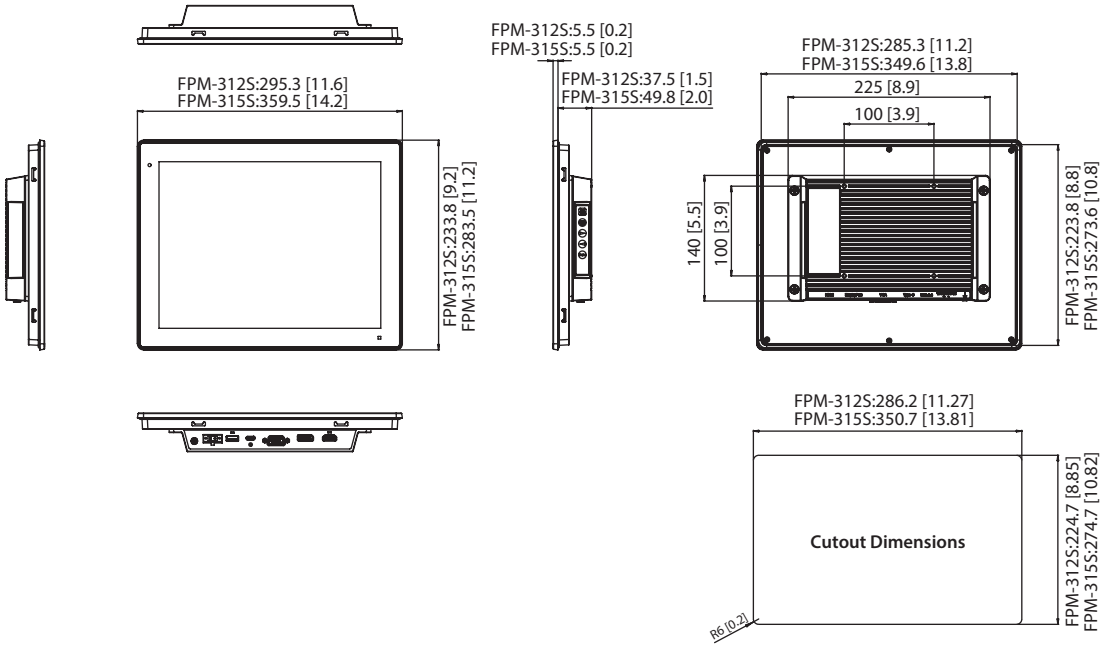
Mounting kit

- **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

All product specifications are subject to change without notice.

Dimensions

Unit: mm



Panel Cutout Dimensions: FPM-312S: 286.2-0.4 x 224.7-0.4 mm (11.27 x 8.85 in)
FPM-315S: 350.7-0.4 x 274.7-0.4 mm (13.81 x 10.82 in)

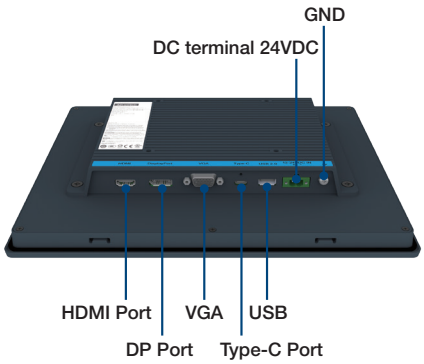
Front View



Rear View



IO 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	8	
	1960112216T000	Clamper for PPC-300	8	