

FPM-B700

Modular FPM - Video Input Box Module with 2 I/O Slots



Features

- Monitor Box with 2 flexible I/O slots to accommodate FPM-M700 I/O modules for video signal or long distance transmission
- Multiple sized front panel module offering with P-Cap multi-touch sensor (12.1" & 19" w/ robust 5-wire resistive touch)
- Supports USB touch and two independent video interfaces with picture-in-picture function and up to 100m long signal transmission distance (iLINK technology)
- Ultimate Long Distance USB touch and Video Transmission Solution, up to 400M Signal Transmission in Daisy Chaining Clone mode
- Simplified cabling with standard Ethernet cable
- Compatible with TPC/UNO Box PC + iDoor Long Distant Display RJ45 Transmitter, PCM-29R1TX

Introduction

The FPM series of modular industrial monitors extend the functionality of typical industrial monitors. The flexible modularized design allowed users to change the video interface according to their usage demands. Additionally, unlike traditional industrial touch monitors that can only support controllers in a one-to-one capacity, the FPM series monitors can support two controllers simultaneously. Moreover, with the inclusion of Picture-in-Picture (PiP) technology, users can easily change the display layout and switch between units that need operating. The FPM-B700 model also supports Advantech's iLINK technology, a long-distance data transmission solution. This technology is designed to resolve issues of USB touch and video signal degradation.

Specifications

General

- **Certification** BSMI, CCC, CE, FCC Class A, CB/UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 269 x 203 x 40 (mm)
- **Enclosure** Die cast aluminum alloy
- **Mounting** VESA Mount, Desktop, Wall or Panel Mount
- **Power Input** 24 V_{DC} ± 20%
- **Weight (Net)** 1.6 kg (3.5 lbs)

System Hardware

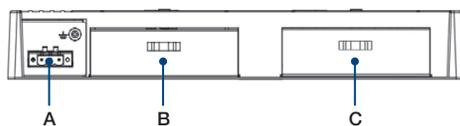
- **I/O** 2 x Modular I/O Slot to support FPM-M700-xxxx
- **Power Input** 24 V_{DC} ± 20%

Environment

- **Operating Temperature** 0~55°C (32~131°F)
- **Storage Temperature** -20~60°C (-4~140°F)

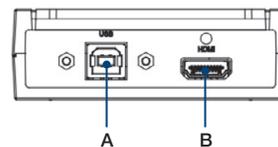
Rear View

PM-B700



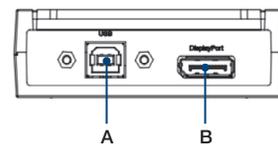
- A. Power Input
- B. Modular IO Slot to support FPM-M700-xxxx
- C. Modular IO Slot to support FPM-M700-xxxx

FPM-M700-HDAE



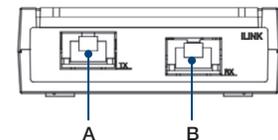
- A. USB Touch Screen input
- B. HDMI input

FPM-M700-DPAE



- A. USB Touch Screen input
- B. Display Port input

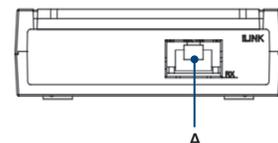
PM-M700-TRAЕ



- A. 1 x RJ45 to support iLINK TX (HDMI and USB Touch Output)
- B. 1 x RJ45 to support iLINK RX (HDMI and USB Touch Input)

Compatible with Ethernet cable grade higher than CAT5e.
Support Daisy-chain with Max. 4 multiple FPM-Display in Clone mode. HDMI and USB Touch Transmission distance up to 100M between each FPM-M700-TRAE.

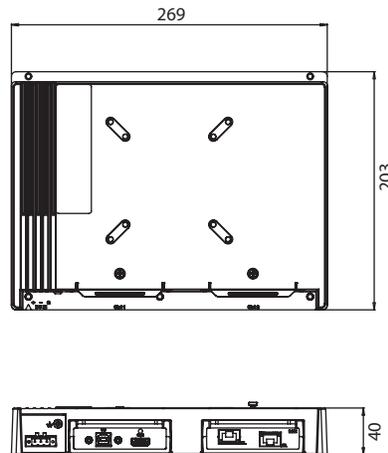
FPM-M700-RXAE



- A. 1 x RJ45 to support iLINK RX (HDMI and USB Touch Input)
- Compatible with Ethernet cable grade higher than CAT5e. HDMI and USB Touch Transmission distance up to 100M in Clone mode.

Dimensions

Unit: mm



Ordering Information

Display Monitor Module

Panel Module P/N	FPM-D12T-BE	FPM-D15T-BE	FPM-D17T-BE	FPM-D19T-BE	FPM-D15W-FBE	FPM-D18W-BE	FPM-D21W-BE	FPM-D24W-BE
Description	12.1" XGA TFT LED LCD	15" XGA TFT LED LCD	17" SXGA TFT LED LCD	19" SXGA TFT LED LCD	15.6" FHD TFT LED LCD	18.5" HD TFT LED LCD	21.5" FHD LED LCD	23.8" FHD TFT LED LCD

Note: Display modules **cannot** work independently. A computing box (TPC-B200/500) or a monitor box (FPM-B700) is compulsory to operate the display module.

Video Input Box Module

- **FPM-B700-BE** Monitor Video Input Box Module with 2 I/O slots
- Note: FPM-B700 does not include an I/O module. I/O module (FPM-M700) is necessary for video input and touch signal connection.

Configurable I/O Module for Video Input Box Module

- **FPM-M700-HDAE** HDMI + USB Touch Module
- **FPM-M700-DPAE** Display + USB Touch Module
- **FPM-M700-TRAЕ** iLINK Tx + Rx Module
- **FPM-M700-RXAE** iLINK Rx Module

Note:
Up to two I/O modules can be installed onto FPM-B700.
FPM-M700-TRAЕ can support Video Daisy Chaining Clone mode up to 400 meters.

Optional Accessories

Part Number	Description
PCM-29R1TX	1-Port iLink(TX), Long Distant Display Transmitter, RJ45
PWR-247-DE	Power Adapter (60W, 24V) for TPC-B200 & FPM-B700
TPC-5000T-VMKE	VESA Kit for TPC-B200, B500 & FPM-B700
1702002600	Power cable (US) 1.8 M
1702002605	Power cable (EU) 1.8 M
1702031801	Power cable (UK) 1.8 M
1700000596	Power cable (CN/AU) 1.8 M

Packing List

Item	Part No.	Depiction	Qty
Grounding cable	1703011001-11	A Cable G-TEM 4.3 100CM C=GR/Y	1
Plug-In Block	1652007930-01	Plug-In Block 1x3P/5.08mm/PA66/F/VA	1
Warranty	2190000902	CARDBOARD-WARRANTY REV. A2	1
BOX Fix Screw	1930000686	Screw M3x5L S/S D=5 H=1.3 (2+) ST Ni NK	5