

# FPM-S Series

## Interchangeable Slim Bezel Display Modules for TPC-B300/B510/B520/B610

Interchangeable Display Modules with 15.6" FHD / 18.5" FHD / 21.5" FHD

Preliminary



### Features

- Modular front display design in three application-based module categories, enabling flexible configurations
- Front panel module with P-CAP multi-touch sensor available in various sizes
- Industrial-grade LED LCD
- System status LED indicators in front panel
- IP66-rated front panel and panel mount
- Rear mounted computing box or monitor box module is compulsory to activate display module

## Introduction

Advantech's Slim bezel modular display series offers various display modules ranging between 15.6" and 21.5" inches in size to go with selections of computing boxes (TPC-TPC-B300/TPC-B510/TPC-B520/TPC-B610) for multiple configurations that can be flexibly adapted to various scenarios. Modular display series are equipped with industrial grade LCD and Projected Capacitive touch screens, providing the best user experience and reliable operation. The modular design ensures flexible configuration and easy maintenance/upgrades. Its robust enclosure is equipped with a die-cast aluminum alloy front bezel and IP66 rating for protection from dust and water ingress.

## Specifications

| Part Number for Cost | Effective version          | FPM-S15W        | FPM-S18W        | FPM-S21W        |
|----------------------|----------------------------|-----------------|-----------------|-----------------|
| LCD Panel            | Display Size               | 15.6"           | 18.5"           | 21.5"           |
|                      | Display Type               | FHD TFT LED LCD | FHD TFT LED LCD | FHD TFT LED LCD |
|                      | Aspect Ratio               | 16:9            |                 |                 |
|                      | Max. Resolution            | 1920 x 1080     | 1920 x 1080     | 1920 x 1080     |
|                      | Max. Color                 | 16.2M           | 16.7M           | 16.7M           |
|                      | Luminance                  | 500ntis         | 350ntis         | 250ntis         |
|                      | Viewing Angle (H/V)        | 178°/178°       | 170°/160°       | 178°/178°       |
|                      | Backlight Life             | 50000hr         | 50000hr         | 50000hr         |
| Touchscreen          | Contrast Ratio             | 800:1           | 1000:1          | 1000:1          |
|                      | Type                       | PCAP            | PCAP            | PCAP            |
|                      | Light Transmission         | Above 90%       | Above 90%       | Above 90%       |
|                      | Anti-Glare Treatment       | Yes             | Yes             | Yes             |
| Environment          | Operating Temperature      | 0 ~ 50°C        | -10 ~ 60°C      | 0 ~ 55°C        |
|                      | Storage Temperature        | -20 ~ 60°C      | -20 ~ 60°C      | -20 ~ 60°C      |
|                      | Ingress Protection         | Font IP66       | Font IP66       | Font IP66       |
| Housing Color        | Panel Frame and Back Cover | Pantone 432C    | Pantone 432C    | Pantone 432C    |

## Ordering Information

### Configurable Rear Computing Box

| Box Module P/N | Description                                                                              |
|----------------|------------------------------------------------------------------------------------------|
| TPC-B300-J20A  | Intel® Celeron® J6412 2.6 GHz Processor (10W)                                            |
| TPC-B300-E20A  | Intel® Atom™ X6425E 3.0 GHz Processor (12W)                                              |
| TPC-B510-833BE | Intel® Core™ i3-8145UE 2.20GHz Dual-core Processor, 8G DDR4 RAM                          |
| TPC-B510-873BE | Intel® Core™ i7-8665UE 1.70GHz Quad-core Processor, 8G DDR4 RAM                          |
| TPC-B510-853BE | Intel® Core™ i5-8365UE 1.60 GHz Quad-core Processor, 8G DDR4 RAM                         |
| TPC-B520-D50A  | Intel® Core™ i5-1335UE 1.3GHz Deca-core Processor                                        |
| TPC-B520-D70A  | Intel® Core™ i7-1365UE 1.7GHz Deca-core Processor                                        |
| TPC-B610H-A00A | Intel® 10th Gen. Core™ i CPU Socket (LGA1200), H420E, PCIe16, PCI                        |
| TPC-B610W-A00A | Intel® 10th Gen. Core™ i CPU Socket (LGA1200), W480E, PCIe16, PCIe4, NVMe, RAID 0/1, ECC |

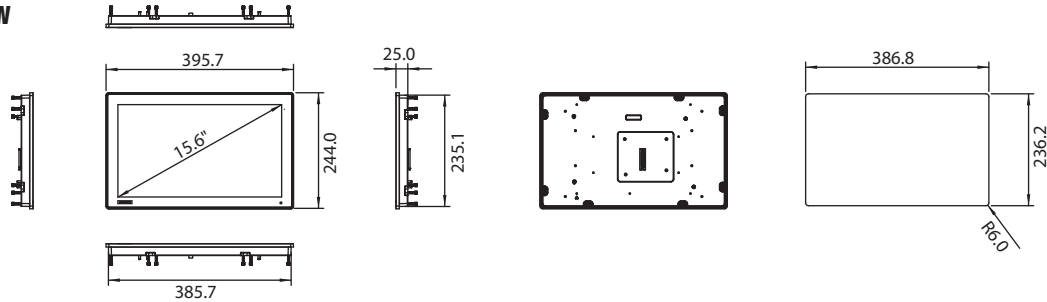
\* Panel size compatibility list  
S15W: B300 / B510 / B520  
S18W: B300 / B510 / B520 / B610  
S21W: B300 / B510 / B520 / B610

## Interchangeable Display Modules for TPC-B300/B510/B520/B610 Computing Box

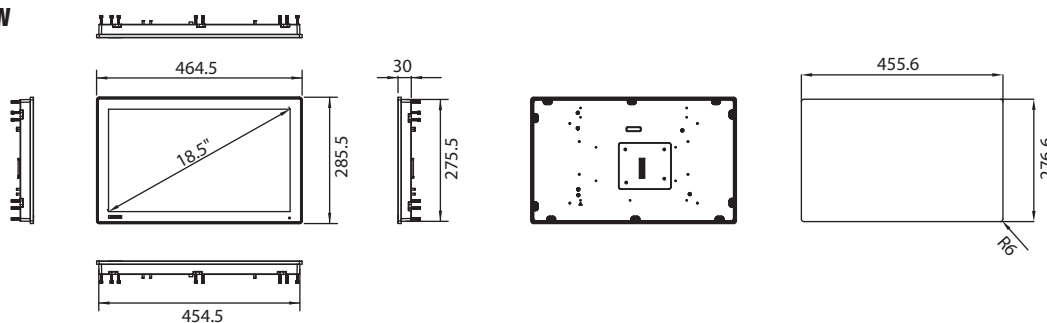
### Dimensions

Unit: mm

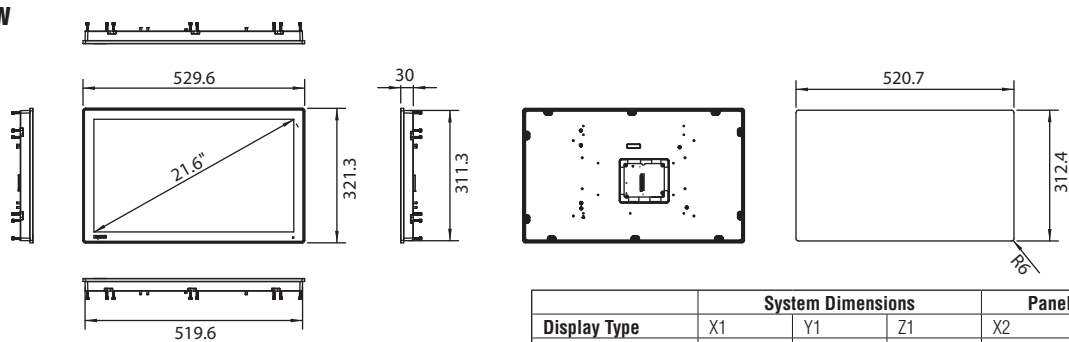
#### FPM-S15W



#### FPM-S18W



#### FPM-S21W



| Display Type | System Dimensions |       |    | Panel Mount |       |
|--------------|-------------------|-------|----|-------------|-------|
|              | X1                | Y1    | Z1 | X2          | Y2    |
| 15.6" (FHD)  | 395.7             | 244   | 25 | 396.8       | 236.2 |
| 18.5" (FHD)  | 464.5             | 285.5 | 30 | 455.6       | 276.6 |
| 21.5" (FHD)  | 529.6             | 321.3 | 30 | 520.7       | 312.4 |

### Packing List

#### FPM-S15W-A

| Item     | Part No.   | Depiction                  | Qty |
|----------|------------|----------------------------|-----|
| WARRANTY | 2190000902 | CARDBOARD-WARRANTY REV. A2 | 1   |

#### FPM-S18W-A

| Item     | Part No.   | Depiction                  | Qty |
|----------|------------|----------------------------|-----|
| WARRANTY | 2190000902 | CARDBOARD-WARRANTY REV. A2 | 1   |

#### FPM-S21W-A

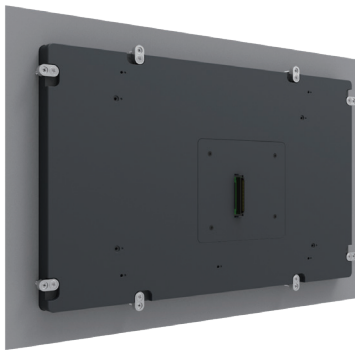
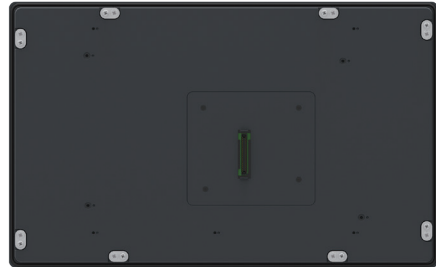
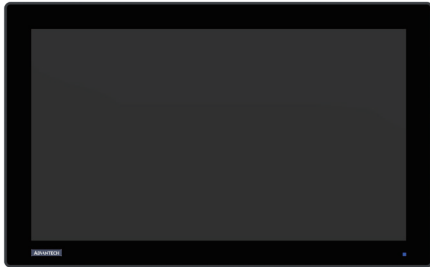
| Item     | Part No.   | Depiction                  | Qty |
|----------|------------|----------------------------|-----|
| WARRANTY | 2190000902 | CARDBOARD-WARRANTY REV. A2 | 1   |

Please note: If some optional modules are offered with the system, additional system certificates may be required in certain regions/countries.  
Please contact Advantech for certificate compliance.

## Interchangeable Display Modules for TPC-B300/B510/B520/B610 Computing Box

### Photo

example: FPM-S15W



# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 [www.autocont-ipc.cz](http://www.autocont-ipc.cz)



### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.