

# FPM-S Series

## Interchangeable Slim Bezel Display Modules for TPC-B300/B510/B520/B610/B620

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



### 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/B520L/TPC-B610/TPC-B620) 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%       |
| Environment                            | Anti-Glare Treatment       | Yes             | Yes             | Yes             |
|                                        | Operating Temperature      | 0 ~ 50°C        | -10 ~ 60°C      | 0 ~ 55°C        |
|                                        | Storage Temperature        | -20 ~ 60°C      | -20 ~ 60°C      | -20 ~ 60°C      |
| Housing Color                          | Ingress Protection         | Font IP66       | Font IP66       | Font IP66       |
|                                        | Panel Frame and Back Cover | Pantone 432C    | Pantone 432C    | Pantone 432C    |

## Ordering Information

| Panel Module P/N | FPM-S15W-A**               | FPM-S18W-A                 | FPM-S21W-A                 |
|------------------|----------------------------|----------------------------|----------------------------|
| Description      | 15.6" FHD TFT LED LCD SLIM | 18.5" FHD TFT LED LCD SLIM | 21.5" FHD TFT LED LCD SLIM |

Note: Display modules cannot work independently. A computing box (TPC-B300/B510/B520/B520L/B610/B620) is compulsory to operate the display module.

\*\*TPC-B610/B620 does not support FPM-S15W-A

### 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™ i7-1365URE 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

**ADVANTECH**

**Modular Panel PCs**

All product specifications are subject to change without notice.

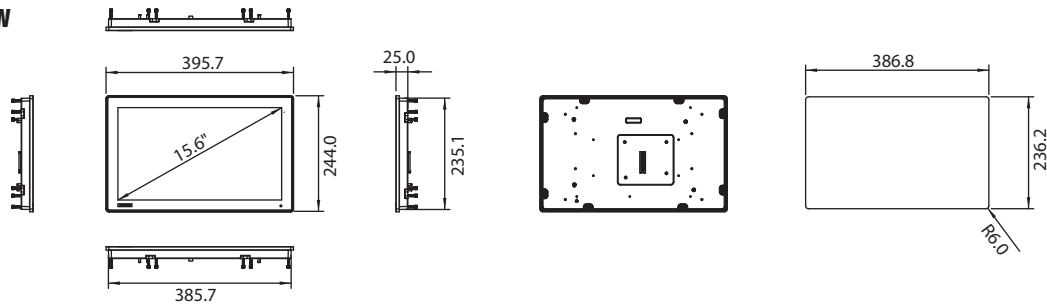
Last updated: 18-Dec-2025

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

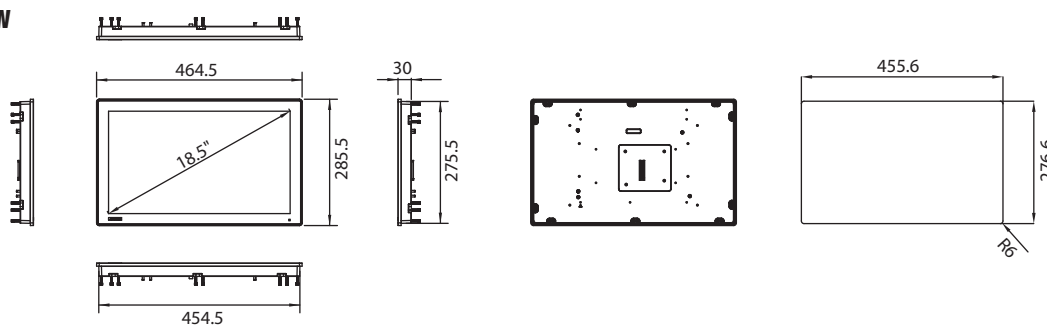
### Dimensions

Unit: mm

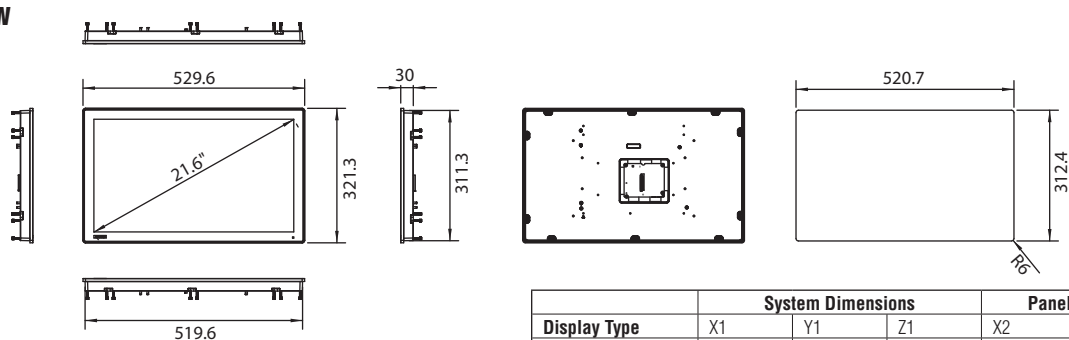
#### FPM-S15W



#### 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

