

# TPC-B500 TPC-B200 FPM-B700

## Computing Box Modules with 6th Gen. Intel® Core™/Celeron® Processor



### Features

- TPC-B200: Intel Celeron J3455 with 4GB SODIMM
- TPC-B500: Intel Core i3-6100U/i5-6300U/i7-6600U/ Celeron 3955U with 8GB SODIMM
- FPM-B700: monitor box supports up to 2 ports of video signal
- Supports two independent video interfaces with picture-in-picture (PiP) functionality and a signal transmission distance of up to 100 m via iLINK technology
- Front panel modules in varying size equipped with P-CAP multi-touch sensors (the 12.1" module features 5-wire resistive touch control)
- Supports PCIe, mini PCIe, M.2, and SSD expansion



### Introduction

Advantech's TPC computing box modules are powered by a 6th generation Intel® Core™/Celeron® processor. When combined with an industrial-grade LED LCD module, the TPC series provides compact and fanless control panel solutions that support high-performance computing. The system's flexible modular design allow users to alter the video interfaces, simultaneously support two controllers via PiP technology, and extend the signal transmission distance to 100 m via iLINK technology.

### Specifications

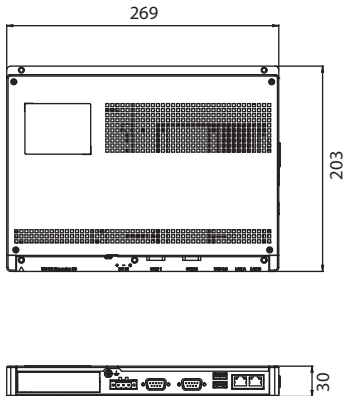
Series	TPC-2000	TPC-5000				FPM-7000
Module P/Ns	TPC-B200-J12AE	TPC-B500-6C2AE	TPC-B500-633AE	TPC-B500-653AE	TPC-B500-673AE	FPM-B700
CPU	Intel® Celeron® J3455 1.50GHz	6th Gen Intel® Celeron® 3955U 2.00 GHz	6th Gen Intel® Core™ i3-6100U 2.30 GHz	6th Gen Intel® Core™ i5-6300U 2.40 GHz	6th Gen Intel® Core™ i7-6600U 2.60 GHz	-
Memory	4 GB (8 GB optional) DDR3L SDRAM	4 GB (8 GB optional) DDR4 SDRAM	8 GB DDR4 SDRAM	8 GB DDR4 SDRAM	8 GB DDR4 SDRAM	-
Storage	1 x M.2 (2242) 1 x 2.5" SATA SSD	1 x M.2 (2280) SATA 1 x 2.5" SATA SSD 1 x CFast (optional via iDoor module)				-
LAN	2 x 10/100/1000 BASE-T (2 x Intel® I210)	3 x 10/100/1000BASE-T (2 x Intel® I210, 1 x Intel® I219)				See ordering information, FPM-M700
Expansion Slots	1 x Full-size mini PCIe (supports GSM 11.11 SIM card)	1 x Half-size PCIe 2 x Full-size mini PCIe				
I/O	2 x RS-232/422/485 2 x USB 3.0 2 x USB 2.0 1 x Audio line out 1 x DisplayPort	1 x RS-232, 1 x RS-232/422/485 2 x USB 3.0, 2 x USB 2.0 1 x Audio line out 1 x DisplayPort 1.4 out				
Power Input	24 V <sub>DC</sub> ± 20%	24 V <sub>DC</sub> ± 20%				24 V <sub>DC</sub> ± 20%
OS	Windows 10 IoT Enterprise LTSB	Microsoft® Windows WS7P Windows 10 IoT Enterprise LTSB				-

# TPC Modular Computing Box

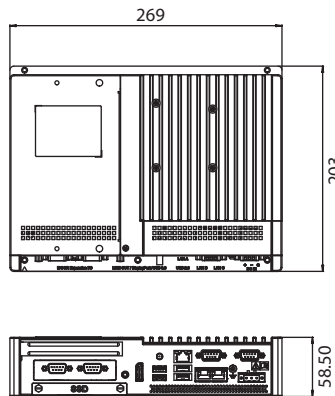
## Dimensions

Unit: mm

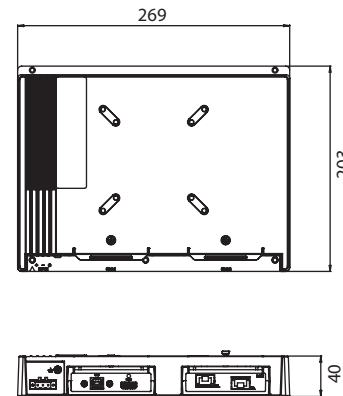
**TPC-B200**



**TPC-B500**



**FPM-B700**



## Ordering Information

Panel Module P/N	FPM-D12T-AE	FPM-D15T-AE	FPM-D17T-AE	FPM-D18W-AE	FPM-D21W-AE
Description	12.1" XGA TFT LED LCD	15" XGA TFT LED LCD	17" SXGA TFT LED LCD	18.5" HD TFT LED LCD	21.5" Full HD LED LCD

## Optional Rear Computing Box

Box Module P/N	Description
TPC-B200-J12AE	Intel® Celeron® J3455 1.50 GHz processor with 4 GB DDR3L
TPC-B500-633AE	Intel® Core™ i3-6100U 2.30 GHz processor with 8 GB DDR4
TPC-B500-653AE	Intel® Core™ i5-6300U 2.40 GHz processor with 8 GB DDR4
TPC-B500-673AE	Intel® Core™ i7-6600U 2.60 GHz processor with 8 GB DDR4
TPC-B500-6C2AE	Intel® Celeron® 3955U 2.00 GHz processor with 4 GB DDR4
FPM-B700-AE	Rear box without an I/O module (coming soon)

## Optional Accessories

Part Number	Description
98R35000010	Wi-Fi module 802.11 bgn/RT5390 1T1R with USB signal
98R35000000	USB NFC/RFID module ADT-006

## Optional I/O Module for FPM-B700

I/O Module	Description
FPM-M700-HDAE	HDMI + +USB touch module
FPM-M700-DPAE	Display + USB touch module
FPM-M700-TRAE	iLINK Tx + Rx module
FPM-M700-RXAE	iLINK Rx module