

TPC-B500 TPC-B200 FPM-B700

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



Features

- Intel® Celeron® /J3455/3955U and Core™ i3-6100U/ i5-6300U/ i7-6600U processor with 4/8 GB SODIMM
- Supports two independent video interfaces with picture-in-picture function and up to 100m long signal transmission distance (iLINK technology)
- Multiple sized front panel module offering with P-Cap multi-touch sensor (12.1" w/ robust 5-wire resistive touch)
- PCIe, mini PCIe, M.2 and SSD expansion



Introduction

TPC computing box modules are powered by 6th Gen Intel® Core™/Celeron® processors combined with an industrial-grade LED LCD module, providing compact and fanless control panel solutions that support high-performance computing. With a flexible modular design, they allow users to inter change video interfaces such as industrial monitors which can be used as an interface of two controllers simultaneously via the PiP (Picture-in-Picture) feature, or expand the signal transmission distance to 100m via iLINK technology.

Specifications

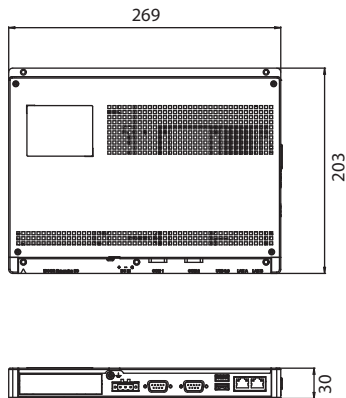
Series	TPC-2000		TPC-5000			FPM-7000
Module P/Ns	TPC-B200-J12AE	TPC-B500-6C2AE	TPC-B500-633AE	TPC-B500-653AE	TPC-B500-673AE	FPM-B700
CPU	Intel® Celeron® J3455 1.50GHz Processor	6th Gen Intel® Celeron® 3955U 2.00 GHz	6th Gen Intel® Core™ i3-6100U 2.30 GHz	6th Gen Intel® Core™ i5-6300U 2.40 GHz	6th Gen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

TPC Modular Computing Box

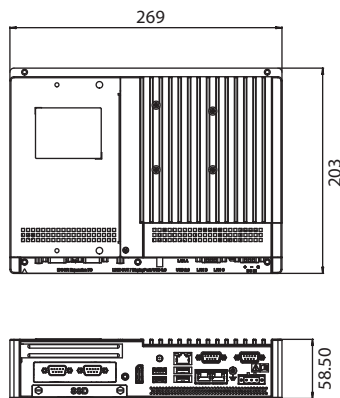
Dimensions

Unit: mm

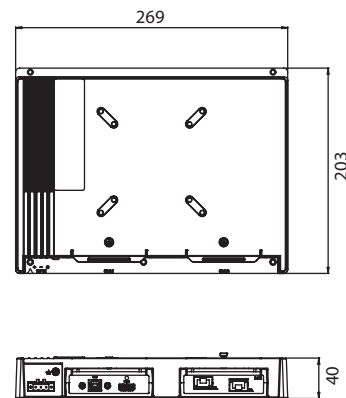
TPC-B200



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	Monitor Rear Box without 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

Mouser Electronics

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