

PPC-F Bay Trail Fanless Series

12"/15"/19" Fanless Intel® Bay Trail Solution

Features

- Intel® Celeron® J1900 quad-core SoC
- Robust IP65 aluminum front bezel
- Aesthetic ultra-thin bezel for seamless panel mount installation
- Projected capacitive multi-touch and resistive single touch options
- Dual full-size PCIe Mini card expansion
- 9V~36V DC wide range DC input



Specifications

Model		PPC-F12B-BT	PPC-F15B-BT
LCD	LCD Display	12.1" (4:3)	15" (4:3)
	Max. Resolution	1024 (W) x 768 (H)	1024 (W) x 768 (H)
	Brightness (cd/m²)	600	450
	Contrast Ratio	700 : 1	800 : 1
	LCD Color	16.2M	16.2M
	Pixel Pitch (mm)	0.24 x 0.24	0.297 x 0.297
	Viewing Angle (H-V)	160° / 140°	160° / 150°
	Backlight MTBF (hrs)	50000	70000
Motherboard	CPU	Intel® Celeron® processor J1900 (2M cache, up to 2.42 GHz)	
	RAM	2 x 204-pin DDR3L SO-DIMM slot (max. 8GB), pre-installed with 4GB	
Touch	Touchscreen & Controller	5-wire resistive single touch window, 3H/Penmount DMC9000 (Anti-glare Surface) 10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface)	
Input Interfaces	I/O Ports & Switches	2 x RJ-45 LAN port 2 x USB 3.2 Gen 1 (5Gb/s) 2 x USB 2.0 1 x HDMI 2 x RS-232 1 x RS-232/422/485 1 x VGA 1 x 9 V~36 V DC jack (4-pin) 1 x 9 V~36 V DC terminal block 1 x Line-out (PPC-F15B & PPC-F17B & PPC-F19B only) 1 x Power switch	
	Expansion	1 x Full-size PCIe Mini slot (mSATA/PCIe/USB signal) 1 x Full-size/half-size PCIe Mini slot (PCIe/USB signal)	
Wireless LAN		802.11 b/g/n (optional)	
Drive Bay		1 x 2.5" HDD/SSD drive bay	
Physical	Construction Material	Aluminum front panel and sheet metal rear cover	
	Mounting	Panel mount, rack mount, VESA 100x100	
	Enclosure Color	Black C	
	Dimensions (mm) (W x L x D)	262.2 x 322.2 x 47.2	303 x 378.5 x 46.2
	Weight (Net)	3.2 kg	4.1 kg
Environment	Cutout Dimensions (mm)	244.8 x 304.8	285.6 x 361
	Operating Temperature (with air flow)	-10°C~50°C (14°F~122°F)	
	Storage Temperature	-20°C~60°C (-4°F~140°F)	
	Humidity	10% to 95% (non-condensing)	
	IP Level	IP 65 compliant front panel	
Power	Safety and EMC	CE & FCC Class A certified	
	Power Adapter	P/N: 63040-010060-220-RS 60W Power Adapter Input: 90 ~ 264V AC, 50/60Hz Output: 12V DC	
	Power Requirement	9 V~36 V DC	
	Power Consumption	40W	41W

Ordering Information

Part No.	Description
PPC-F12B-BT-J1/4G/R-R14	12.1" 600 cd/m2 XGA Panel PC with Intel® Celeron® Processor J1900, TDP 10W, 4GB RAM*1, black color, Powder paint, 9-36V DC input, resistive touch window with AG coating, R14
PPC-F15B-BT-J1/4G/R-R24	15" 450 cd/m2 XGA Panel PC with Intel® Celeron® Processor J1900, TDP 10W, 4GB RAM*1, black color, Powder paint, 9-36V DC input, resistive touch window with AG coating, R24

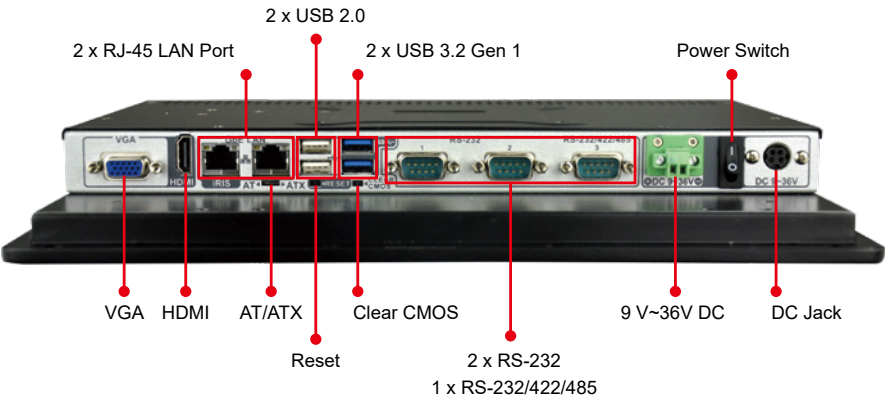
Options

Item	PPC-F12B	PPC-F15B
Arm	N/A	
Stand	STAND-C12-R10	STAND-C19-R10
Wall Mount Kit	WK-190MS-R10	
Panel Mount Kit	FPK-09-R10	FPK-10-R10
Rack Mount Kit	FRK12-R11	FRK15-R11
Wi-Fi Kit	EMB-WIFI-KIT01-R20	EMB-WIFI-KIT11-R20

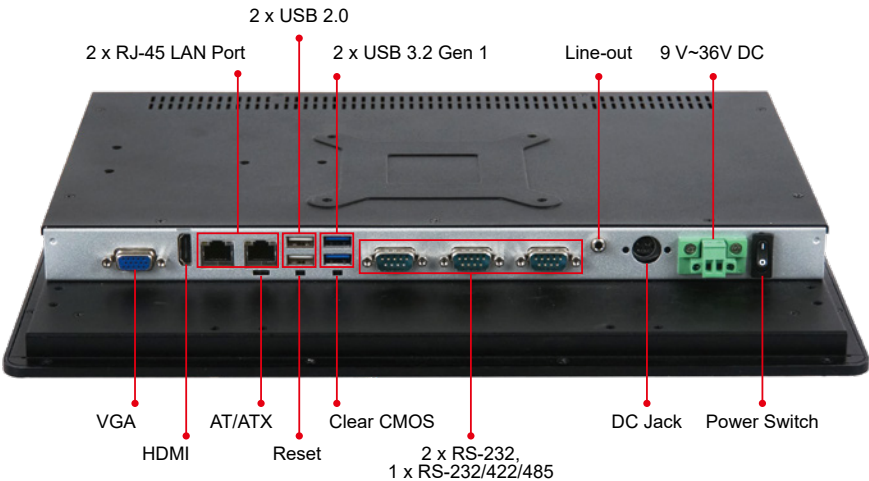
Packing List

Item	Q'ty	Remark
PPC-FxxB-BTi Panel PC	1	
Power Cord	1	Part numbers vary by regions
Screw Pack	1	Including necessary screws
Power Adapter	1	9V~36V DC (P/N: 63040-010060-220-RS)

PPC-F12B
Fully Integrated I/O

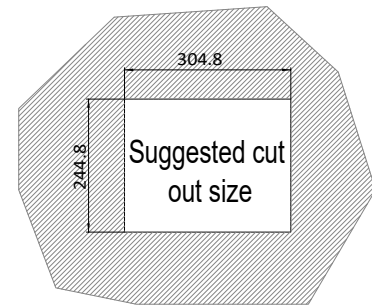
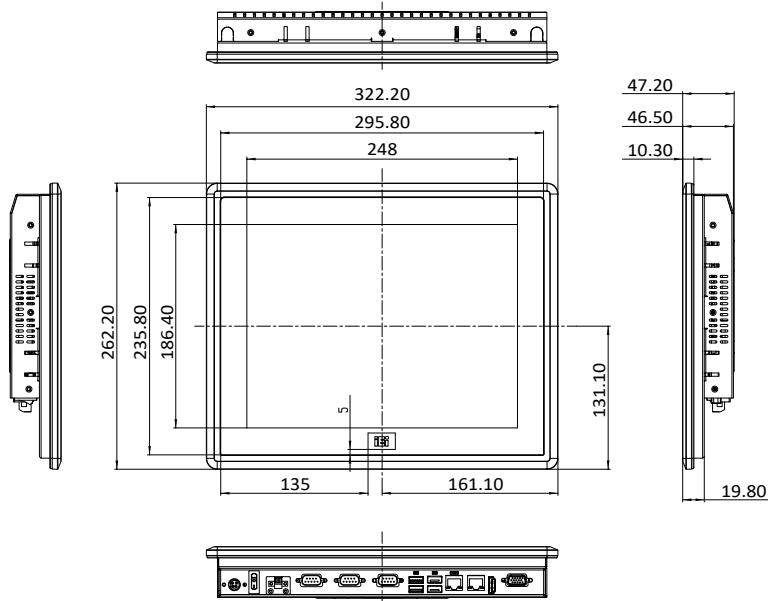


PPC-F15B
Fully Integrated I/O

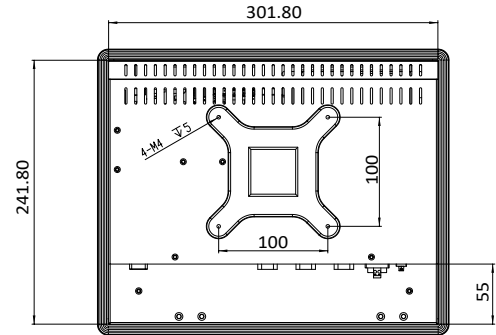


PPC-F12B

Dimensions (Unit: mm)



Scale 1:2



PPC-F15B

Dimensions (Unit: mm)

