

# PPC2-CW185-ADLP

## IEI Heavy Industrial Panel PC

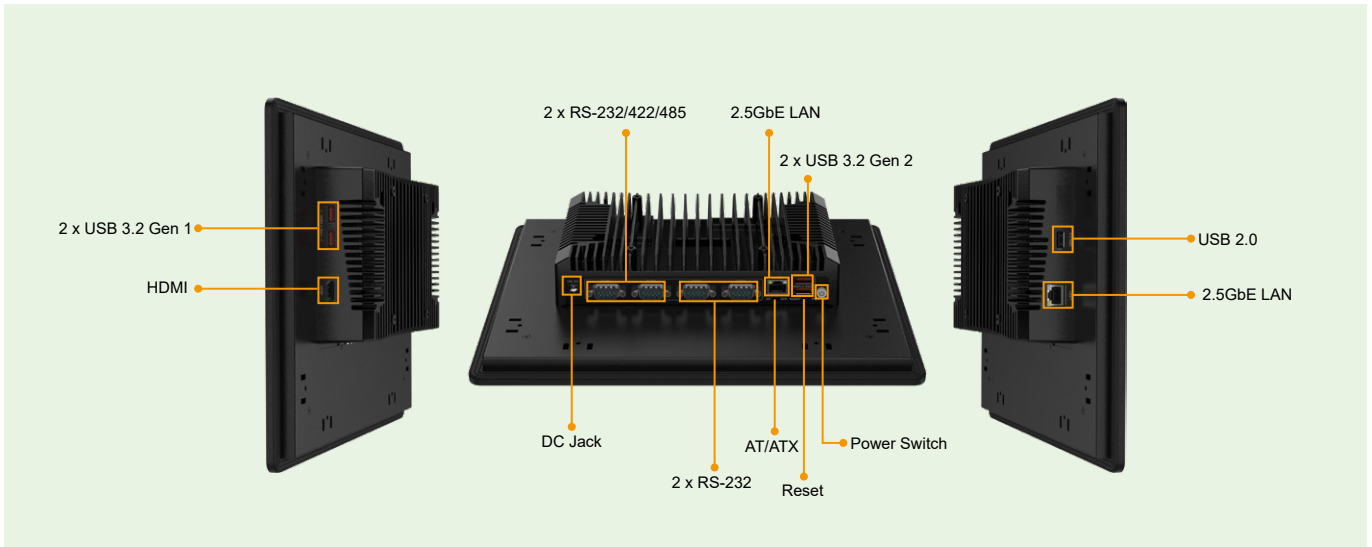
Powered by Intel® Alder Lake-P Platform



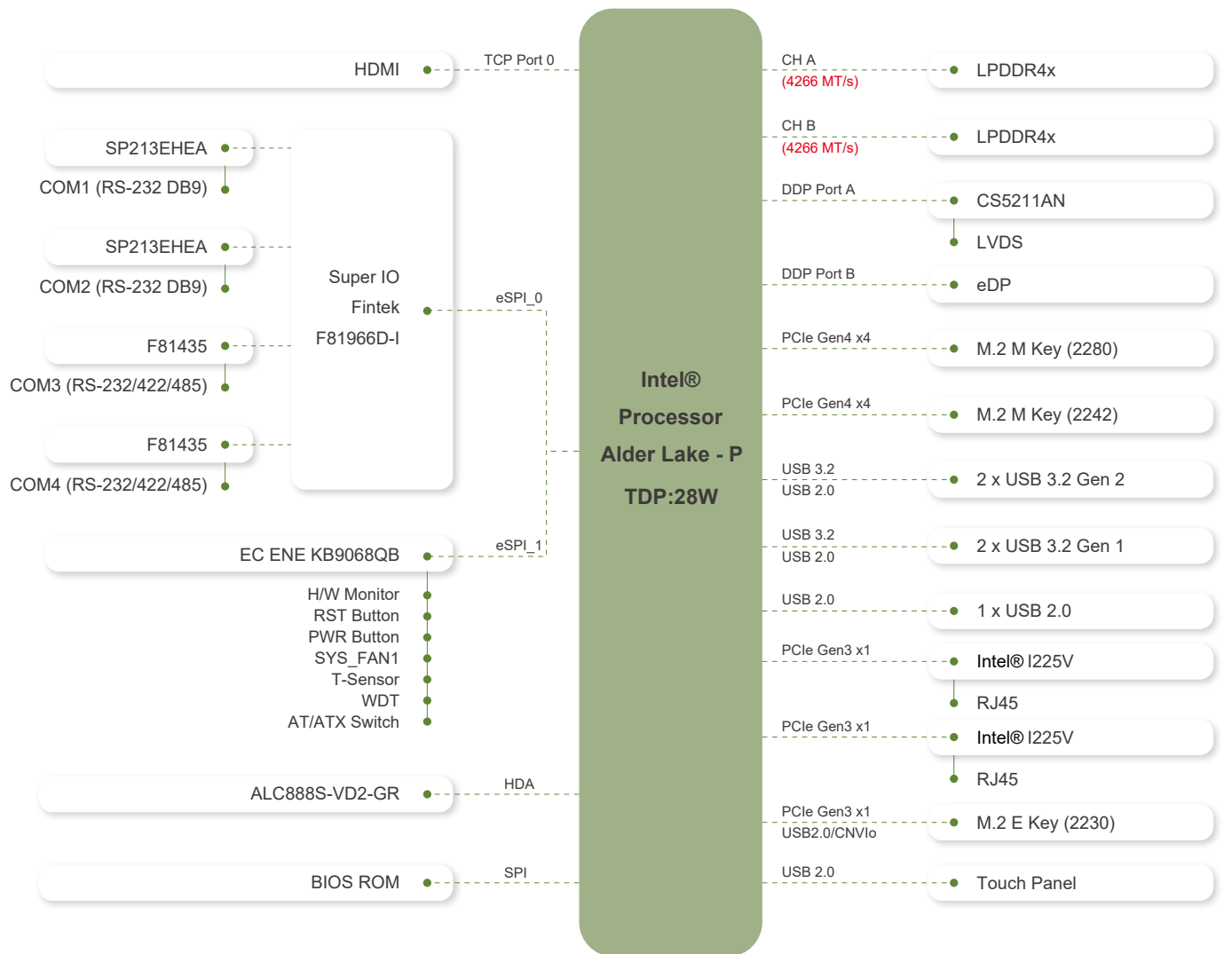
[www.ieiworld.com](http://www.ieiworld.com)



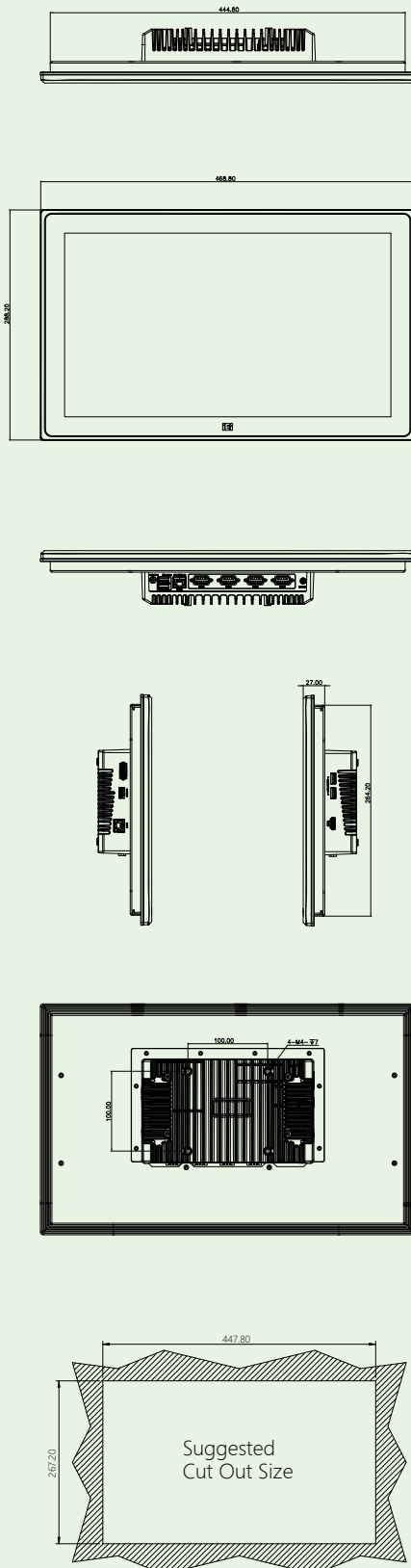
## Fully Integrated I/O



## Block Diagram



## Dimensions (Unit: mm)



## Specifications

Model	PPC2-CW185-ADLP	
LCD Display	18.5" (16:9)	
Resolution	1920 (W) x 1080 (H)	
Brightness	350 cd/m <sup>2</sup>	
Contrast Ratio	1000:1	
LCD Color	16.7M	
Viewing Angle (H-V)	170°/160°	
Backlight MTBF	50000 hours	
CPU (SoC)	12th Generation Intel® Core™ i7/i5/i3 Processor (Alder Lake-P)	
Memory	Dual-channel 8GB LPDDR4x on-board	
Touchscreen	Multi-point projected capacitive type (anti-UV / anti-glare coating, support gloves) Surface hardness: ≥7H	
Touch Controller	Projected capacitive type: EETI 80	
Ethernet	LAN1: Intel® I225V 2.5GbE controller LAN2: Intel® I225-LM 2.5GbE controller (support Intel® AMT)	
Expansion	1 x M.2 M key 2242 (PCIe Gen4 x4) 1 x M.2 M key 2280 (PCIe Gen4 x4) 1 x M.2 E key 2230 (PCIe Gen3 x1 + USB 2.0 + CNVlo)	
Mounting	VESA 100, Panel, Wall, Rack, Stand and Arm	
Construction Material	Aluminum front cover and sheet metal rear cover	
Enclosure Color	Black	
I/O Ports, Switch	2 x RS-232 by DB9 2 x RS-232/422/485 by DB9 2 x 2.5GbE RJ45 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 1 x USB 2.0	1 x HDMI output 1 x 12V DC Jack 1 x Power button 1 x Reset button 1 x AT/ATX switch
Thermal Solution	Fanless	
Power Input	DC 12V	
TPM	Intel® Platform Trust Technology	
Watchdog Timer	Software Programmable support 1~255 sec. system reset	
Operating Temperature (with air flow)	-10°C ~ 50°C	
Storage Temperature	-20°C ~ 60°C	
Humidity	10% ~ 95%@40°C, non-condensing	
IP Level	IP 64 compliant front panel	
Safety and EMC	CE, FCC Class A, UKCA	
Operation Vibration	MIL-STD-810G 514.6C-1(with SSD)	
Operation Shock	Half-sine wave shock 5G; 11ms; 100 shocks per axis	
Dimensions (H x W x D)	468.80 x 288.20 x 67.00	
Net Weight	5.05 kg	
ErP	ErP 2009/125/EC	
OS	Windows 10/11 IoT, Linux	

## Packing List

1 x Power Cord	1 x Power Adapter
1 x Panel Mount Kit	1 x QIG

## Ordering Information

PPC2-CW185-ADLP-i7/8G-R10	18.5" 350cd/m <sup>2</sup> 1920x1080 Fanless Panel PC with 12th Generation Intel® Core™ i7-1260P on-board Processor, TDP 28W, 8GB LPDDR4x on-board, PCAP touch, 12V DC, R10
PPC2-CW185-ADLP-i5/8G-R10	18.5" 350cd/m <sup>2</sup> 1920x1080 Fanless Panel PC with 12th Generation Intel® Core™ i5-1240P on-board Processor, TDP 28W, 8GB LPDDR4x on-board, PCAP touch, 12V DC, R10
PPC2-CW185-ADLP-i3/8G-R10	18.5" 350cd/m <sup>2</sup> 1920x1080 Fanless Panel PC with 12th Generation Intel® Core™ i3-1220P on-board Processor, TDP 28W, 8GB LPDDR4x on-board, PCAP touch, 12V DC, R10

## Options

Item	Part No	Description
Arm	ARM-11-RS	VESA 75/100 Desk Arm
Stand	STAND-C12-R10	VESA 75/100 Easy Stand
Wall Mount Kit	AFLWK-19B	Monitor Wall Mount kit
OS	WIN10-IoTE2021-H-RS WIN10-IoTE2021-V-RS	Win10 IoT Ent LTSC 2021 MultiLang High End Win10 IoT Ent LTSC 2021 MultiLang Value