PPC2-C190-ADLP

IEI Heavy Industrial Panel PC

Powered by Intel® Alder Lake-P Platform

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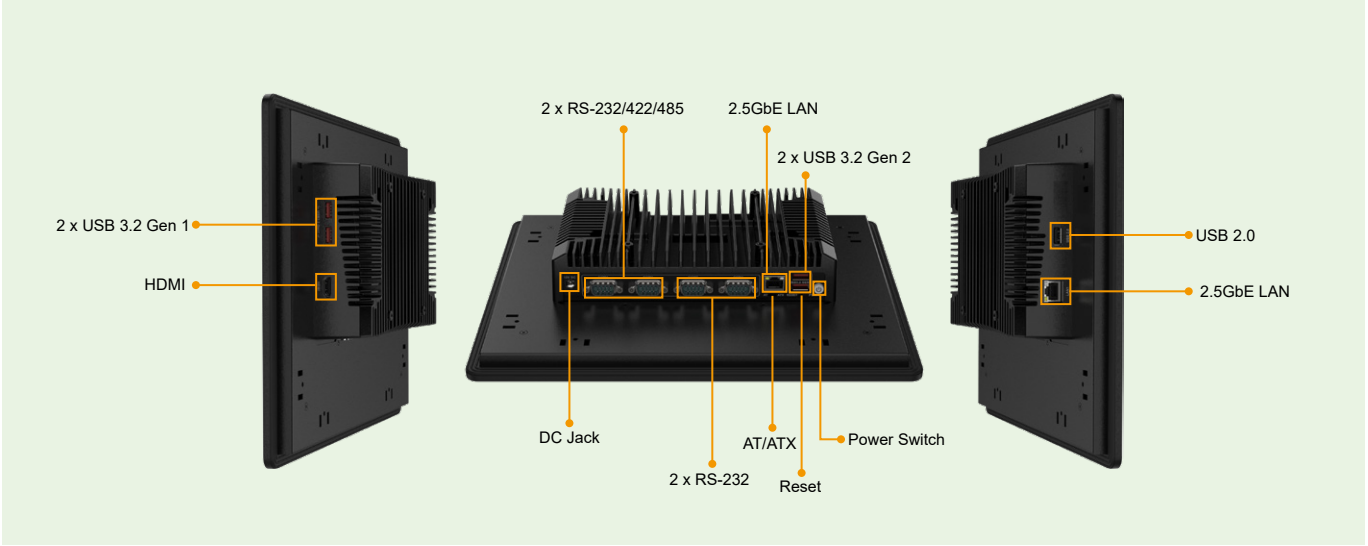
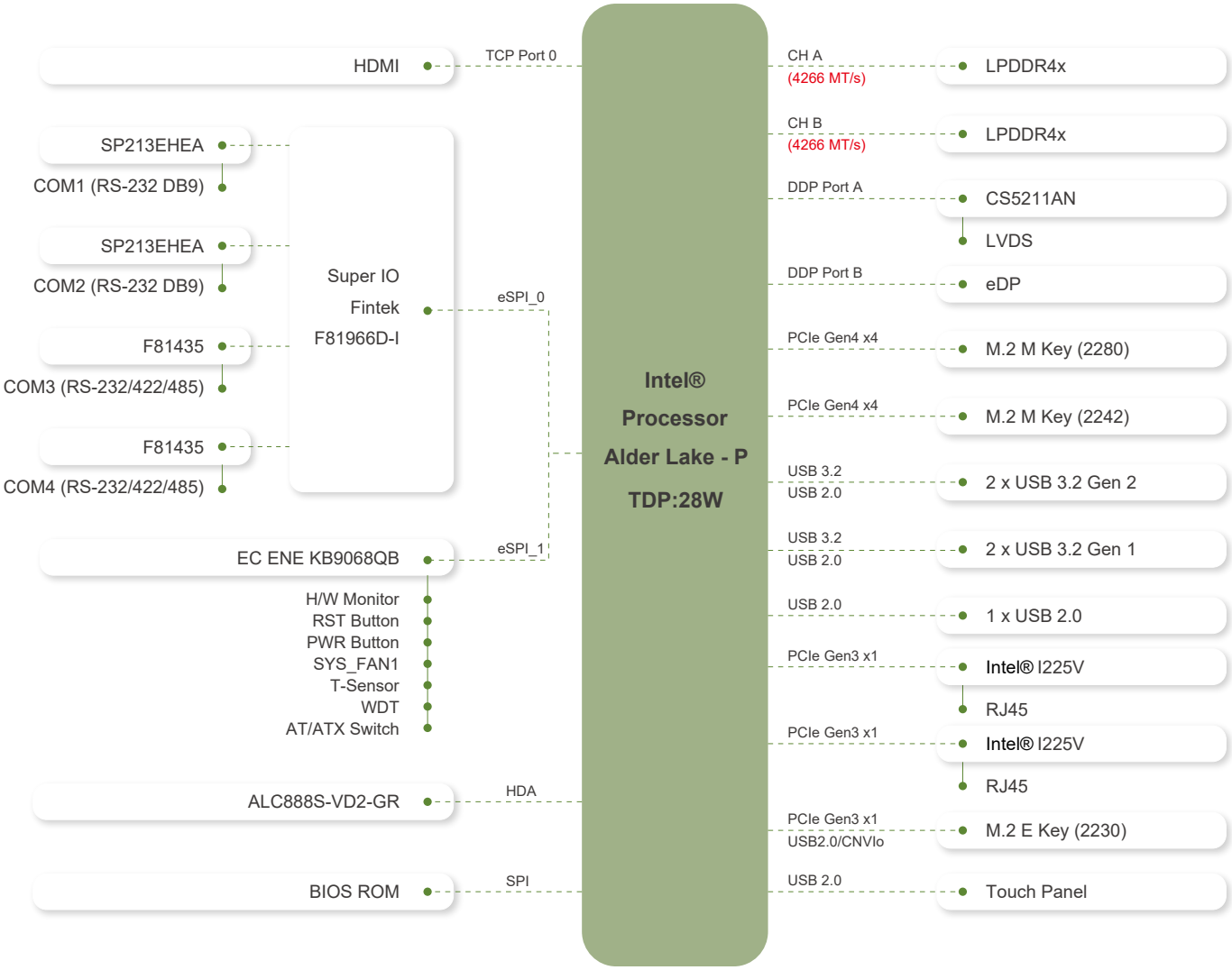
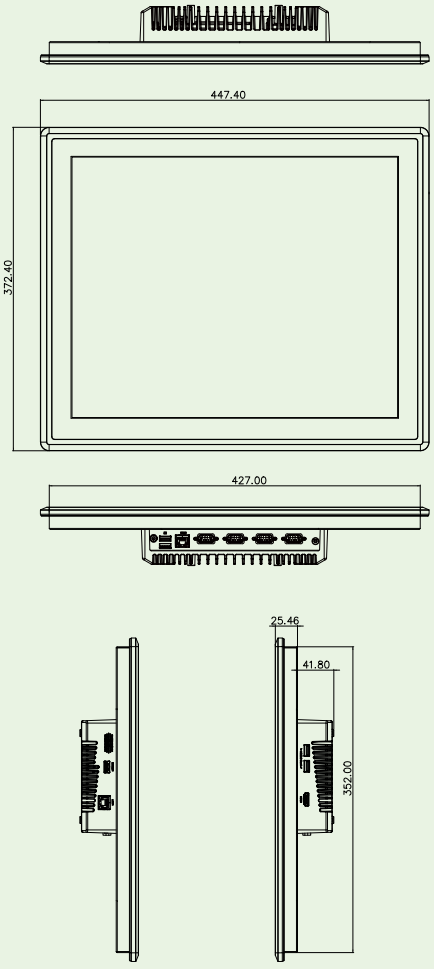
Fully Integrated I/O



Block Diagram



Dimensions (Unit: mm)



Specifications

Model	PPC2-C190-ADLP
LCD Display	19" (5:4)
Resolution	1280 (W) x 1024 (H)
Brightness	350 cd/m²
Contrast Ratio	1000:1
LCD Color	16.7M
Viewing Angle (H-V)	170°/160°
Backlight MTBF	50,000 hours
CPU (SoC)	12th Genertion 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 + CNVIo)
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)	-10ºC ~ 50ºC
Storage Temperature	-20ºC ~ 60ºC
Humidity	10% ~ 95%@40ºC, 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)	447.4 x 372.4 x 67.26
Net Weight	5.635 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-C190-ADLP-i7/8G-R10	19" 450cd/m² 1280x1024 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-C190-ADLP-i5/8G-R10	19" 450cd/m² 1280x1024 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-C190-ADLP-i3/8G-R10	19" 450cd/m² 1280x1024 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