

# AFL4-W101-ADLP

## IEI Light Industrial Panel PC

Powered by Intel® Alder Lake-P Platform



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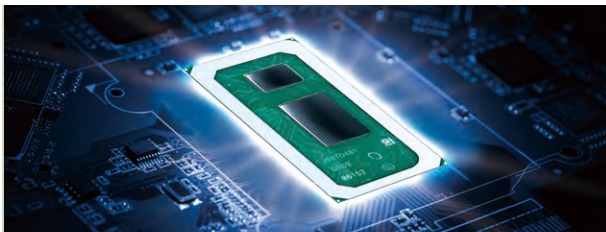
# AFL4-W101-ADLP

Fanless panel PC with narrow bezel design, Intel® Alder Lake-P platform, on-board 8GB memory, HDMI output, dual 2.5GbE LAN, four UART, five USB, two M.2 M key expansion slots, and anti-glare & anti-UV 10-point touchscreen



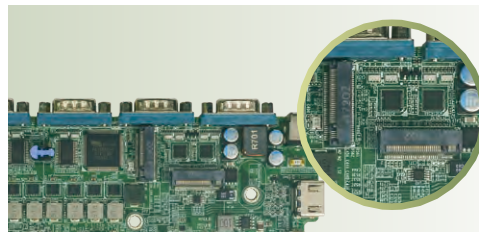
## 12th Gen Intel® Alder Lake-P Platform

Powered by 12th generation Intel® Alder Lake-P Series processors and asynchronous architecture, unleashing superior performance



## Dual full-speed M.2 expansion slots

Two M.2 M-key slots accept 2242 and 2280 sizes of M.2 modules, and supports PCIe Gen4 x4 full-speed signal for more bandwidth and faster speed.



## Anti-glare and Anti-UV PCAP

With anti-glare and anti-UV coating, the 10-point touch-screen can display clearly without reflection for a long time use in outdoors and bright light environment.



## Works with Gloves and Water

The equipped capacitive touch screen supports gloved operation and waterproof function that can effectively eliminate false touch operating caused by water spray.



## Extensive I/O Interfaces

The panel PC is small, but comes with abundant I/O for a variety of application scenarios. It includes four UART, five USB, two 2.5G network port and one HDMI interface.

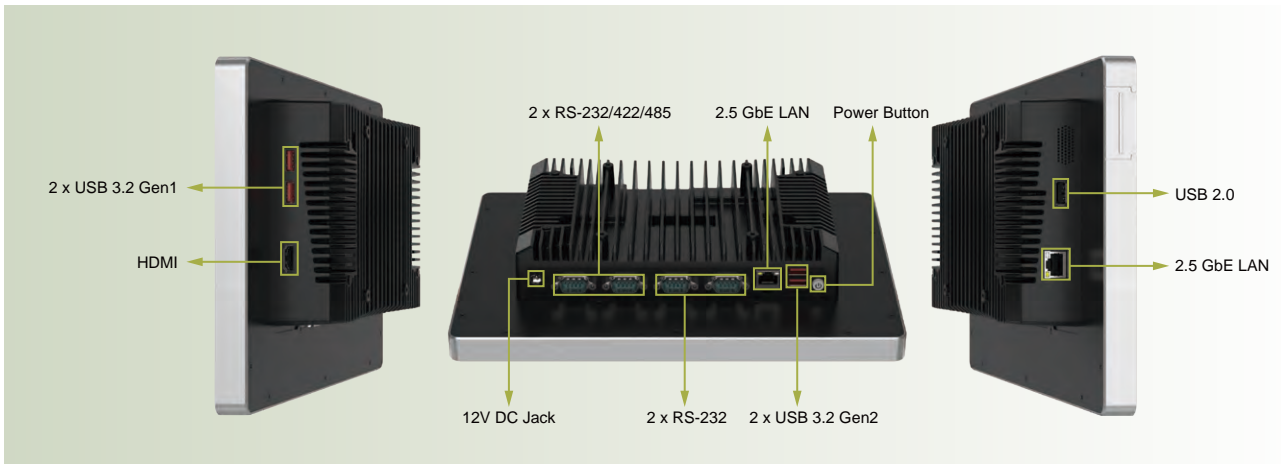


## Support Wi-Fi 6E and Bluetooth 5.2

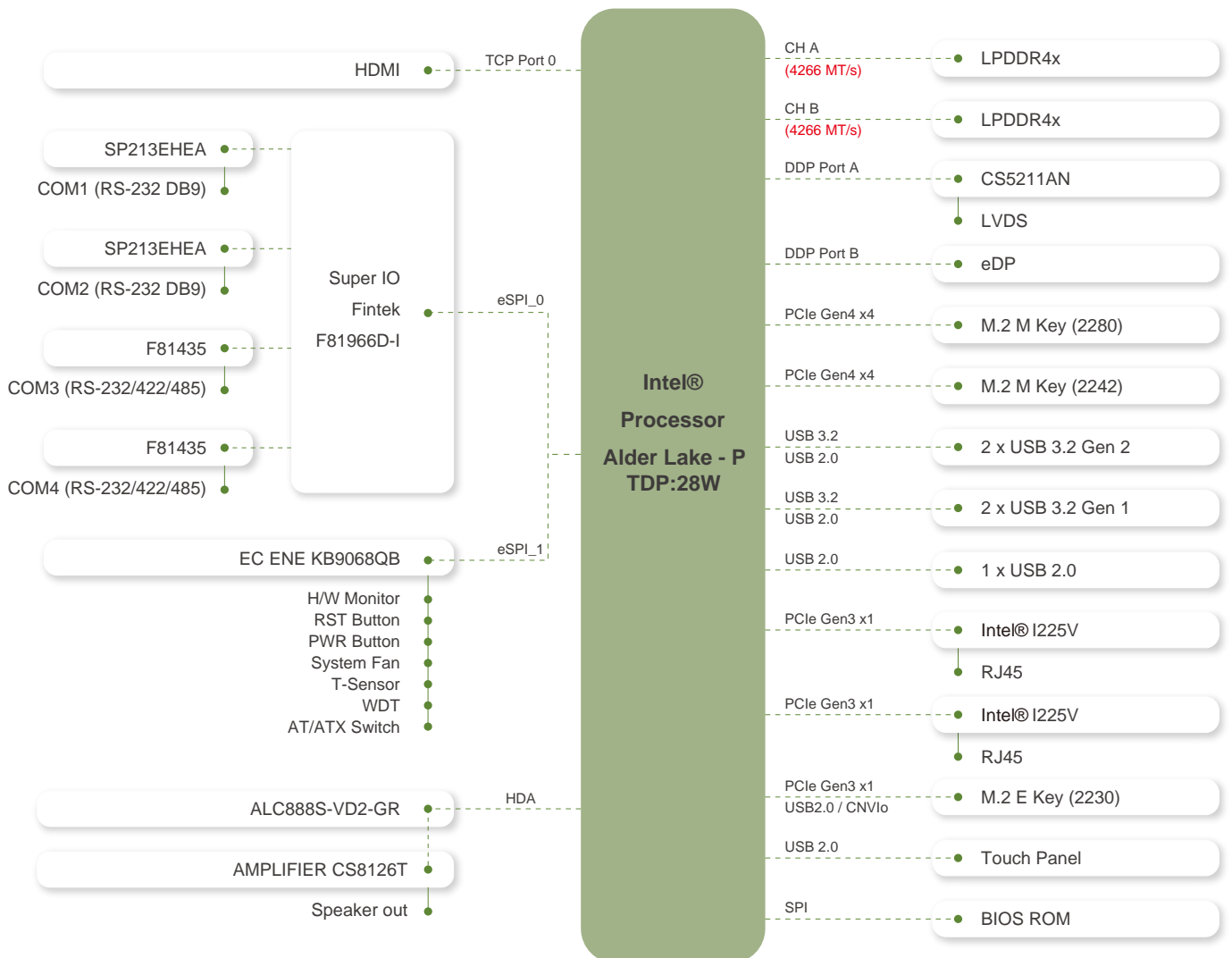
Strong Wi-Fi 6E wireless network capability provides more bandwidth, and the low latency Bluetooth 5.2 connection is more stable and consumes less power.



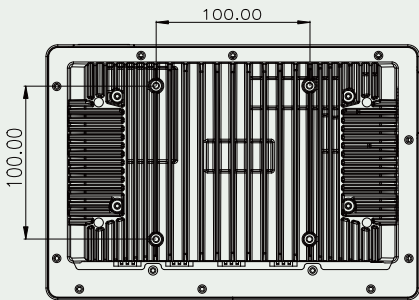
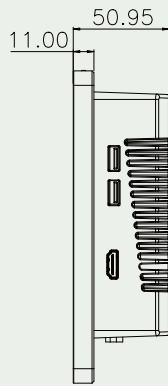
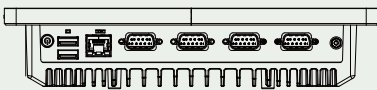
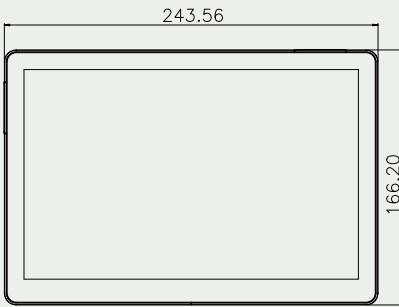
# AFL4-W101-ADLP I/O



## AFL4-W101-ADLP Block Diagram



## Dimensions



## Specifications

Model	AFL4-W101-ADLP	
LCD Display	10.1" (16:10)	
Resolution	1280 (W) x 800 (H)	
Brightness	350 cd/cm <sup>2</sup>	
Contrast Ratio	900:1	
LCD Color	16.2M	
Viewing Angle (H-V)	170°/170°	
Backlight MTBF	30,000 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)	
Touch	Surface hardness: ≥7H	
	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)	
Mounting	VESA 100, Wall, Stand and Arm	
Construction Material	Aluminum front cover and sheet metal rear cover	
Enclosure Color	Silver+Black	
I/O Ports, Switch	2 x RS-232 by DB9	1 x HDMI output
	2 x RS-232/422/485 by DB9	1 x 12V DC Jack
	2 x 2.5GbE LAN	1 x Power button
	2 x USB 3.2 Gen2	1 x Reset button
	2 x USB 3.2 Gen1	1 x AT/ATX switch
	1 x USB 2.0	
Wireless & Bluetooth	IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 E-key)	
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)	243.56 x 166.20 x 50.95 (mm)	
Net Weight	1.66kg	
ErP	ErP 2009/125/EC	
OS	Windows 10/11 IoT, Linux	

## Packing List

1 x Power Cord	1 x Power Adapter
1 x QIG	1 x Thermal Pad

## Ordering Information

AFL4-W101-ADLP-i7/8G-R10	10.1" 350cd/m <sup>2</sup> 1280x800 fanless panel PC with Intel® Core™ i7-1260P on-board processor, 8GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, PCAP touch, 12V DC, R10
AFL4-W101-ADLP-i5/8G-R10	10.1" 350cd/m <sup>2</sup> 1280x800 fanless panel PC with Intel® Core™ i5-1240P on-board processor, 8GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, PCAP touch, 12V DC, R10
AFL4-W101-ADLP-i3/8G-R10	10.1" 350cd/m <sup>2</sup> 1280x800 fanless panel PC with Intel® Core™ i3-1220P on-board processor, 8GB LPDDR4x on-board, Wi-Fi 6E and Bluetooth 5.2 module, 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
V-Stand	VSTAND-A10-R11	Stand V Type, VESA 75/100
Wall	AFLWK-19B	Monitor Wall Mount Kit
OS	TBD	TBD