

AFL3-W15C-ADLP

IEI Light Industrial Panel PC

Powered by Intel® Alder Lake-P

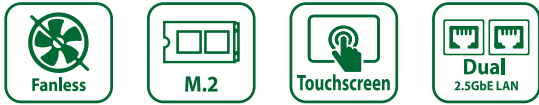


www.ieiworld.com



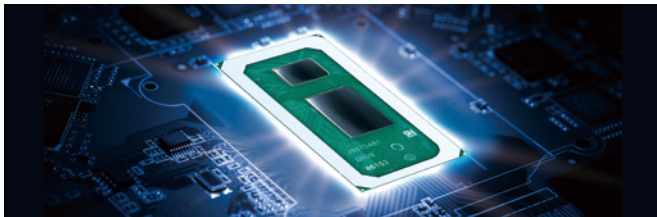
AFL3-W15C-ADLP

Fanless, high-performance Panel PC, supporting 12th Gen Intel® Core™ i7/i5/i3 processors, 8GB DDR4 memory, HDMI output, dual 2.5GbE LANs, IPMI remote management, three M.2 expansion slots, and an anti-glare, UV-resistant, 10-point capacitive touchscreen that is RoHS-compliant



12th Gen Intel® Core™ Mobile Processors

The 12th Generation Intel® Core™ mobile processors feature a new Performance Hybrid Architecture that delivers superior performance and rich scaling for a superior experience.



Support 4K UHD Display Output

10th generation Intel® Ultra HD graphics engine allows the system to display video and images in stunning 4K resolution over HDMI 1.4b



Anti-glare and Anti-UV PCAP

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



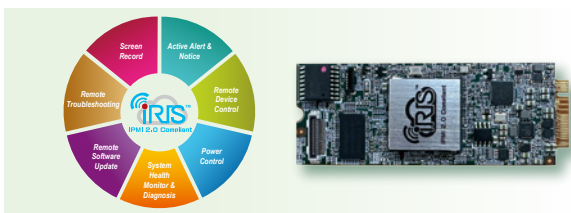
Support Wi-Fi 6E and Bluetooth 5.2

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.



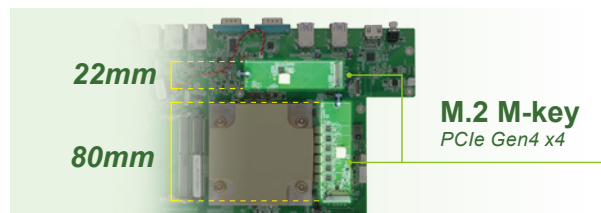
IPMI 2.0 Remote Management

By combining with IEI's iRIS expansion card, remote management over the network can be achieved, such as OS installation/restoration, power on/off, and much more.

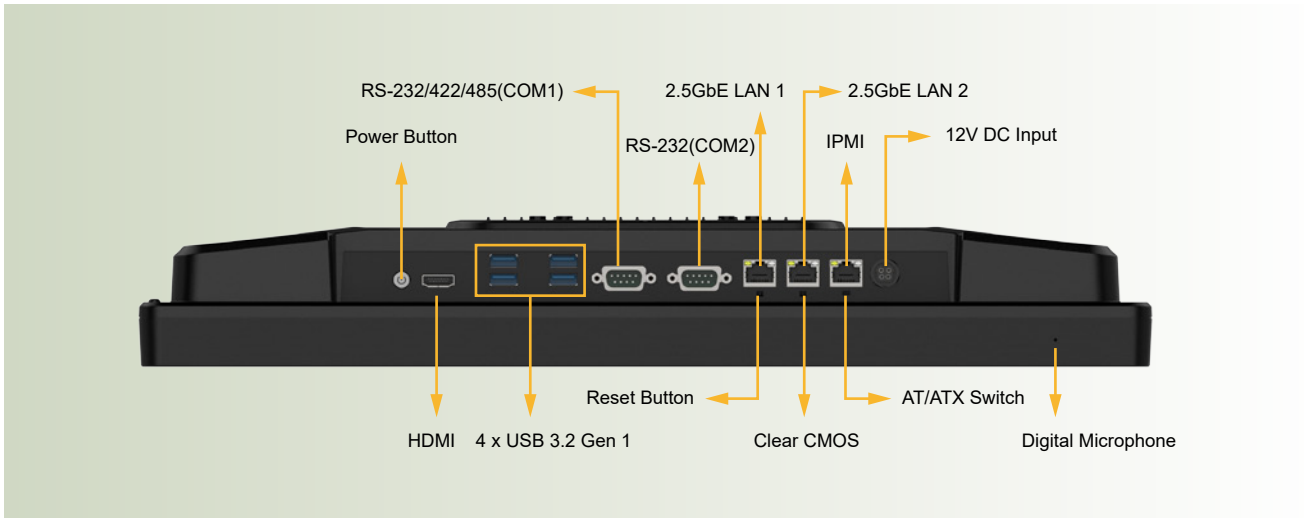


Dual Full-Speed M.2 Expansion Slots

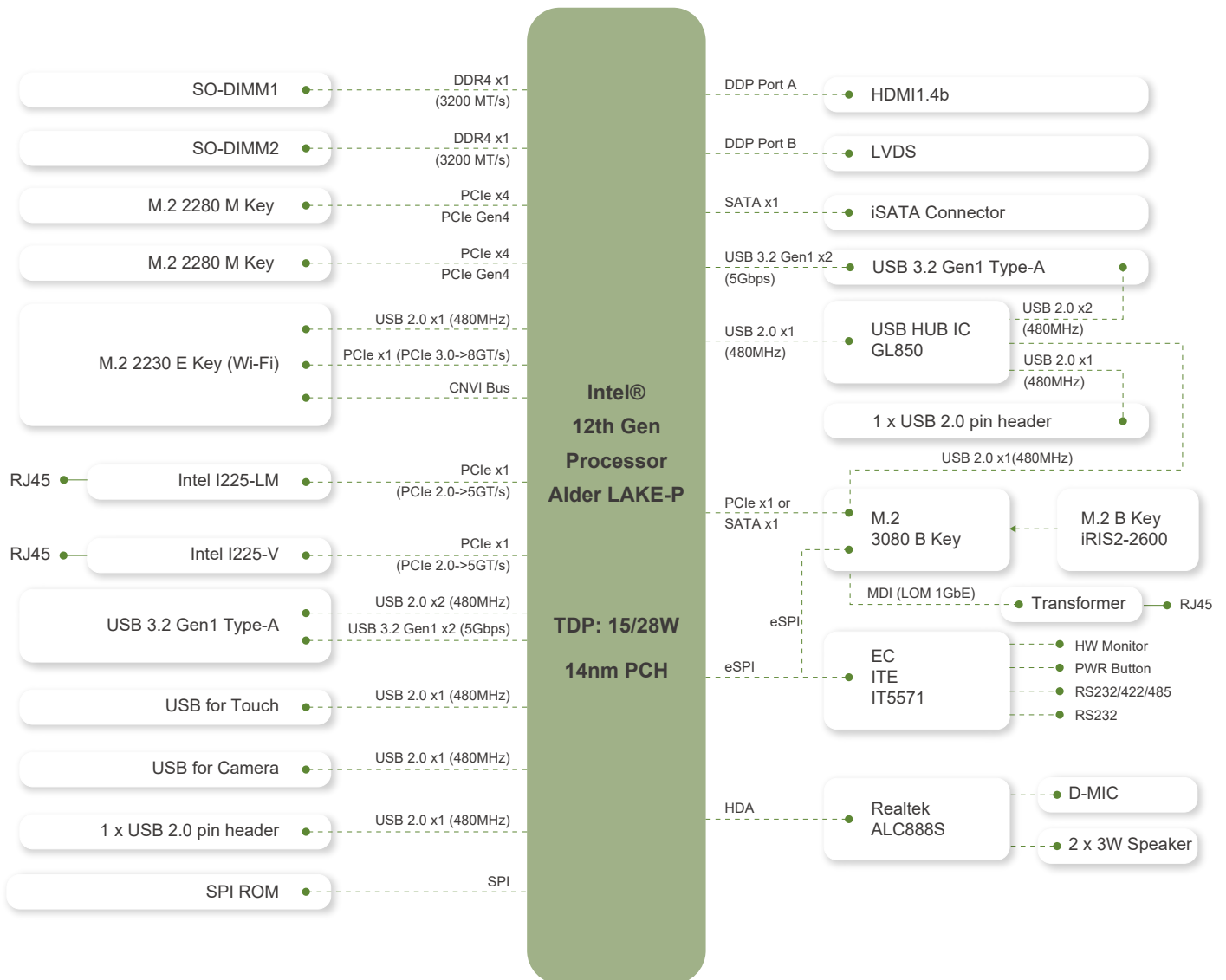
Two M.2 M-key slots accept 2280 sizes of M.2 modules, and supports PCIe Gen4 x4 full-speed signal for more bandwidth and faster speed.



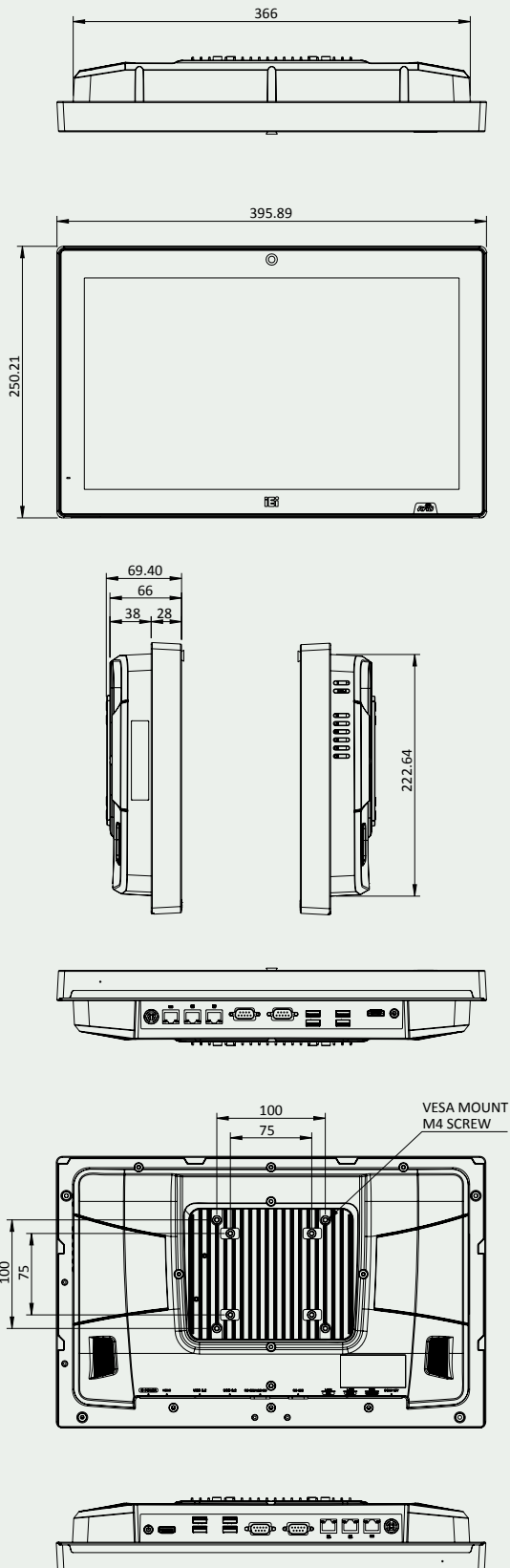
Fully Integrated I/O



Block Diagram



Dimensions (Unit: mm)



Specifications

| Model | | AFL3-W15C-ADLP | |
|----------------------|--|--|------------------|
| LCD | Size | 15.6" | |
| | Resolution | 1920 x 1080 (16:10) | |
| | Brightness (cd/m ²) | 450 | |
| | Contrast Ratio | 800 | |
| | Viewing Angle (H-V) | 170/170 | |
| | Backlight MTBF | 50000 | |
| Touch | Touch Screen | PCAP with USB interface (anti-UV/AG coating) | |
| | Touch Controller | EXC3160 | |
| Mainboard | SOC | 12th Gen Intel® Core™ Mobile i7/i5/i3 Processors (Alder Lake-P) | |
| | RAM | Two 260-pin 3200 MHz dual-channel DDR4 SO-DIMM (8GB pre-installed) (max. 32GB) | |
| | Ethernet | LAN1: Intel® I225 LM (support Intel AMT) + LAN2: Intel® I225V | |
| | Audio Codec | ALC888S | |
| | Storage | 1 x 2.5" SATA 6Gb/s HDD bay | |
| | Expansion | 2 x M.2 2280 M-key (PCIe x4) | |
| | | 1 x M.2 3080 B-key (PCIe x1 or SATA) support IPMI function | |
| | I/O Ports & Switch | 1 x RS-232 by DB9 | 1 x HDMI output |
| | | 1 x RS-232/422/485 w/ AFC by DB9 | 1 x 12V DC jack |
| | | 2 x 2.5GbE LAN | 1 x Power button |
| 1 x RJ45 for IPMI | | 1 x Reset button | |
| | 4 x USB 3.2 Gen1 | 1 x Clear CMOS button | |
| | | 1 x AT/ATX switch | |
| Audio | | AMP 3W + 3W (internal speaker) | |
| Camera / Microphone | | 2-megapixel with low light function, digital microphone | |
| Wireless & Bluetooth | | IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 E-key) | |
| Physical | Construction Front Panel | PC + ABS Plastic | |
| | Mounting | Panel, Wall, Stand and Arm VESA 75 /100mm | |
| | Color | Black C | |
| Environment | Operating Temperature (°C) (Ambient with air flow) | 0 ~ 50 | |
| | Storage Temperature (°C) | -20 ~ 60 | |
| | Humidity | 10 ~ 90RH@40°C (non-condensing) | |
| | IP Level | IP 64 compliant front panel | |
| | Safety & EMC | CE, FCC (Class A) , UKCA | |
| | Thermal | Fanless | |
| Power | Power Requirement | 12V DC | |
| ErP | | ErP 2009/125/EC | |
| Supported OS | | Microsoft Windows® 10/11 IoT, Linux | |

Packing List

| | |
|-------------------|----------------|
| 1 x Power cord | 1 x Screw pack |
| 1 x Power adapter | 1 x QIG |

Ordering Information

| Part No. | Description |
|--------------------------|--|
| AFL3-W15C-ADLP-i3/8G-R10 | Wide 15.6" 450cd/m ² 1920x1080 Panel PC with 12th Generation Intel® Core™ i3-1220P on-board processor, PCAP touch, 2M camera, microphone, 1x8GB DDR4 RAM, with AG, RoHS |
| AFL3-W15C-ADLP-i5/8G-R10 | Wide 15.6" 450cd/m ² 1920x1080 Panel PC with 12th Generation Intel® Core™ i5-1240P on-board processor, PCAP touch, 2M camera, microphone, 1x8GB DDR4 RAM, with AG, RoHS |
| AFL3-W15C-ADLP-i7/8G-R10 | Wide 15.6" 450cd/m ² 1920x1080 Panel PC with 12th Generation Intel® Core™ i7-1260P on-board processor, PCAP touch, 2M camera, microphone, 1x8GB DDR4 RAM, with AG, RoHS |

Options

| Item | Part No |
|--------------------|--|
| Panel mounting Kit | AFL3PK-W15A-R10 |
| Wall mounting Kit | AFLWK-19B |
| Arm | ARM-11-RS |
| Stand | STAND-A21-R10/ STAND-210-R11/STAND-C19-R10 |
| IPMI card | iRIS2-2620-R10 |
| Barcode scanner | AFL3-2D-R11 |