

# PPC2-C15-EHL

## IEI Heavy Industrial Panel PC

Powered by Intel® Elkhart Lake Platform

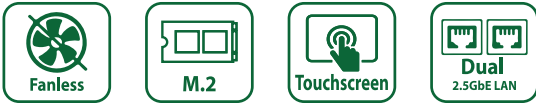


[www.ieiworld.com](http://www.ieiworld.com)



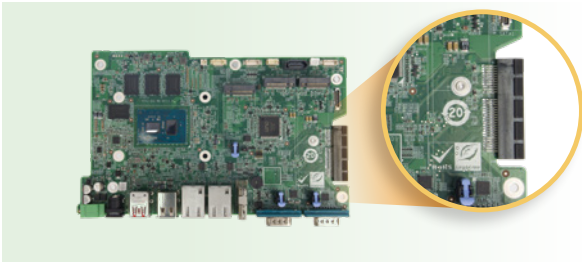
# PPC2-C15-EHL

Panel PC equips Intel® Celeron® J6412 processor, on-board 8GB memory, HDMI display output, dual 2.5G Ethernet port, one M.2 M key & one M.2 B Key & one M.2 A key expansion slots, 12~24V DC input, anti-glare and anti-UV 10-point



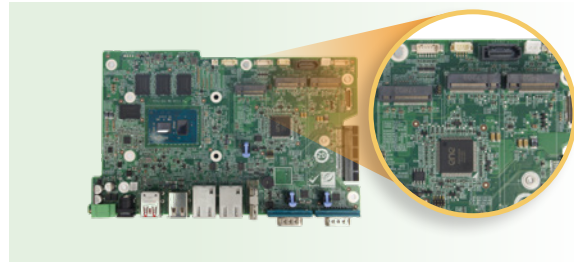
## IP2EHL\_XC Expansion Interface

The IP2EHL\_XC connector allows users to flexibly expand functionality such as network, serial ports and CAN to meet various application requirements. (IEI-designed pin definition, supported functions are customized, for models of 10-inch or above)



## M.2 B Key & M.2 M Key

Dual M.2 ultra-high-speed expansion supporting SSD & AI accelerator to enhance efficiency



## Anti-glare and Anti-UV PCAP

With anti-glare and anti-UV coating, the 10-point touchscreen can display clearly without reflection.



## Support Gloved and Wet Hand Operation

The whole new PCAP screen allows you to accurately manage every step of your operations even with gloves or in wet conditions.



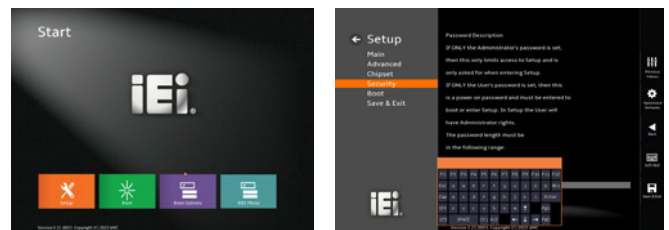
## Newly Designed Panel Mount Kit

The new refined and convenient panel mount kit can be easily fastened by hand, no screwdriver required.

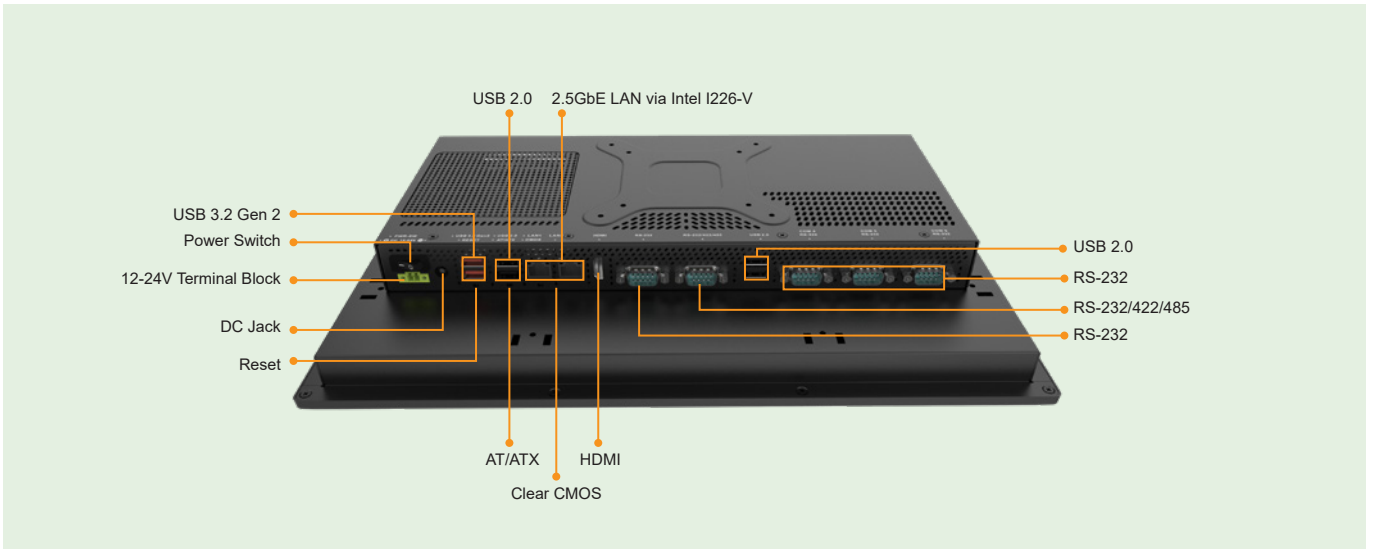


## New Graphical BIOS Interface

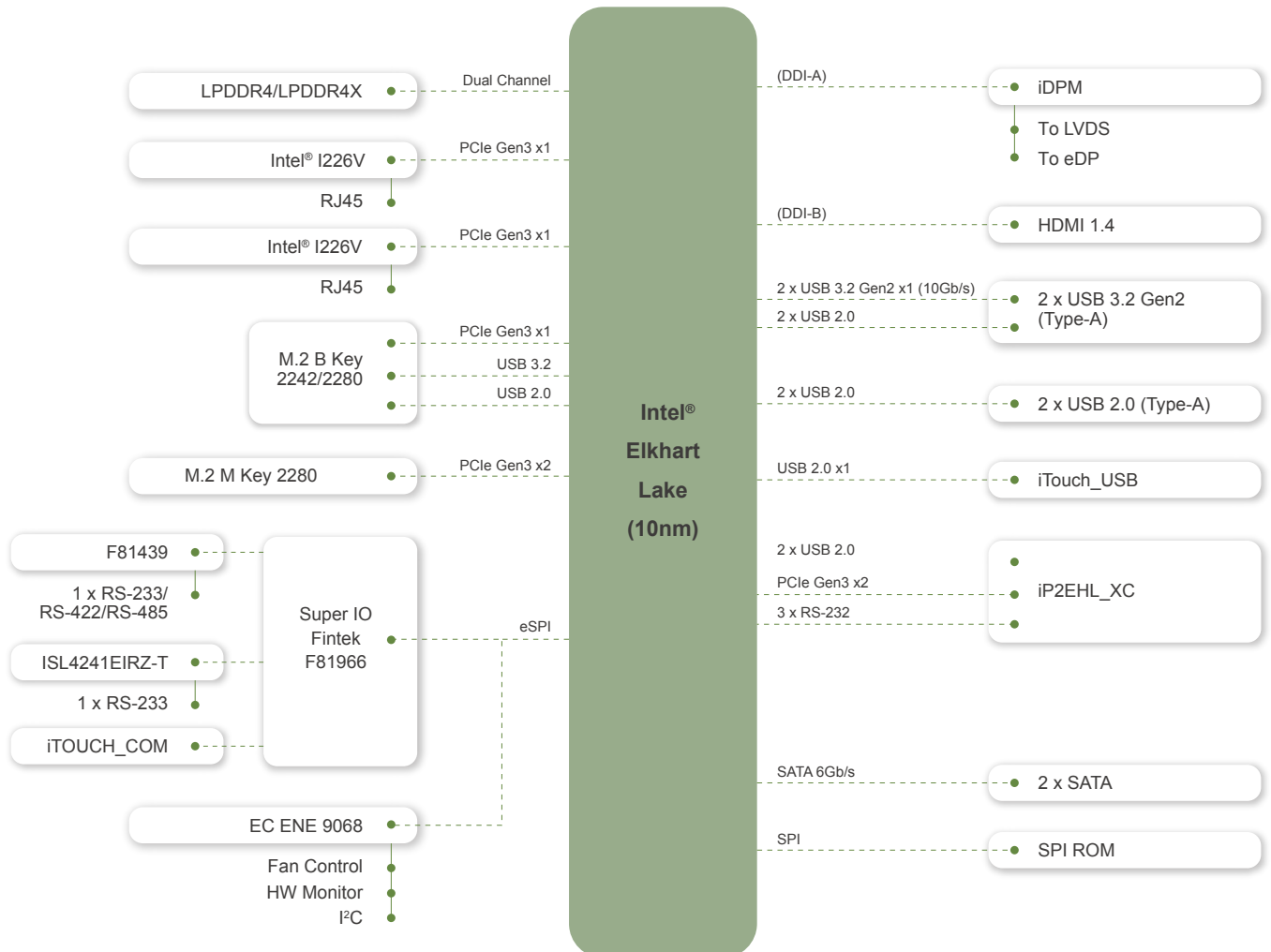
Upgraded with new BIOS interface, which can be navigated with fingers, no keyboard and mouse are required to operate.



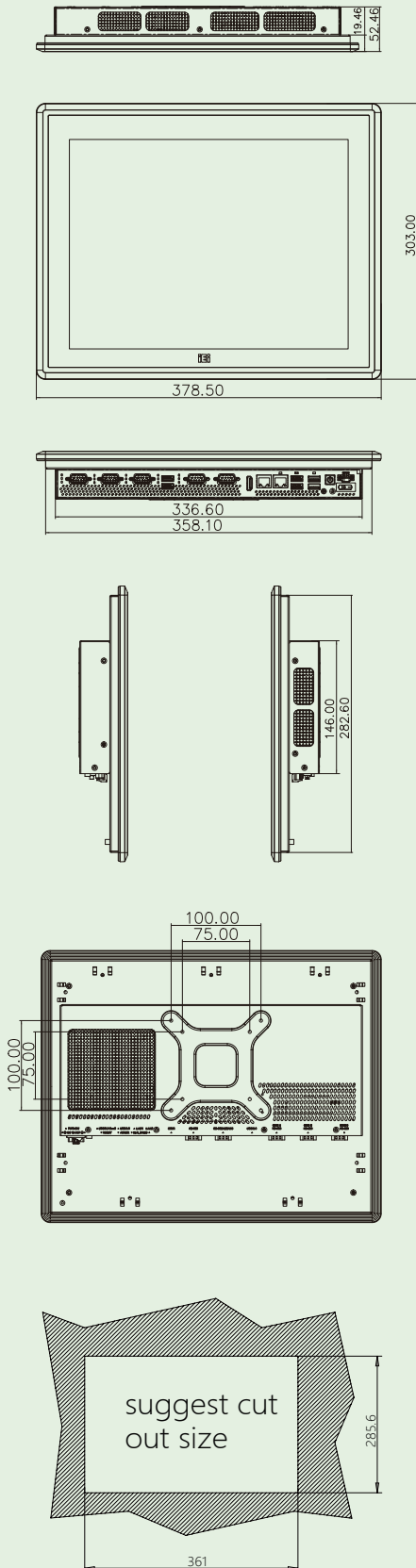
## Fully Integrated I/O



## Block Diagram



## Dimensions (Unit: mm)



## Specifications

|                                       | PPC2-C15-EHL   |   |
|---------------------------------------|--|---|
| LCD Display                           | 15"(4:3)   |   |
| Resolution                            | 1024 (W) x 768 (H)   |   |
| Brightness                            | 400 cd/m <sup>2</sup>  |   |
| Contrast Ratio                        | 2500:1   |   |
| LCD Color                             | 16.2M  |   |
| Pixel Pitch (mm)                      | 0.297 x 0.297  |   |
| Viewing Angle (H-V)                   | 176°/176°  |   |
| Backlight MTBF                        | 70,000 hours   |   |
| SBC Model                             | PPC2MB2-EHL-RC-R10+PPC2-XIO-04-R10   |   |
| CPU (SoC)                             | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10w   |   |
| Memory                                | 8GB dual-channel on-board LPDDR4X(up to 16GB)  |   |
| Touchscreen                           | Multi-point projected capacitive type<br>(anti-UV / anti-glare coating, support gloves)<br>Surface hardness: ≥7H   |   |
| Touch Controller                      | Projected capacitive type: EETI 80   |   |
| Storage                               | 1 x 2.5" HDD/SSD drive bay   |   |
| Ethernet                              | 2 x 2.5GbE LAN via Intel I226-V  |   |
| Wireless & Bluetooth(optional)        | IEEE 802.11 a/b/g/n/ax, Bluetooth V5.2 1   |   |
| Expansion                             | 1 x M.2 2242/2280 B key (PCIe Gen3 x1 + USB 3.0)<br>1 x M.2 2280 M key (PCIe Gen3 x2)<br>1 x M.2 A Key 2230 (PCIe gen3 x 2 + USB2.0) <from PPC2-XIO-04-R10>  |   |
| Mounting                              | VESA 75/100<br>Panel, Wall, Rack, Stand and Arm  |   |
| Construction Material                 | Aluminum front cover and sheet metal rear cover  |   |
| Enclosure Color                       | Black  |   |
| I/O Ports, Switches and Buttons       | 1 x HDMI output<br>2 x RJ-45 GbE<br>2 x USB 3.2 Gen 2x1 (10Gb/s)<br>4 x USB 2.0<br>1 x RS-232/422/485<br>4 x RS-232<br>1 x 12V-24V power jack<br>1 x Power terminal block (2-pin)<br>1 x AT/ATX switch | 1 x Power button<br>1 x Reset button<br>1 x Clear CMOS button |
| Power Input                           | 12 V ~ 24 V DC   |   |
| Power Consumption                     | +12V @ 3.949A (Intel® Celeron J6412 with 8GB memory)   |   |
| Thermal Solution                      | Fanless  |   |
| TPM                                   | Intel® Platform Trust Technology   |   |
| Watchdog Timer                        | Software Programmable support 1~255 sec. system reset  |   |
| Operating Temperature (with air flow) | -10°C ~ 60°C   |   |
| Storage Temperature                   | -20°C ~ 60°C   |   |
| Humidity                              | 10% ~ 95%, non-condensing  |   |
| IP Level                              | IP 65 compliant front panel  |   |
| Safety and EMC                        | CE, FCC Class A  |   |
| ErP                                   | ErP 2009/125/EC  |   |
| Dimensions (H x W x D) (mm)           | 378.5 x 303 x 52.46  |   |
| Cutout Dimensions(mm)                 | 361 x 285.6  |   |
| Net Weight                            | 3.895kg  |   |

## Packing List

|                     |                       |         |
|---------------------|-----------------------|---------|
| 1 x Power Cord      | 1 x Power Adapter     | 1 x QIG |
| 1 x Panel Mount Kit | 1 x Screw Pack (SATA) |         |

## Ordering Information

|                        |  |
|------------------------|--|
| PPC2-C15-EHL-J1/8G-R12 | 15" 400 cd/cm <sup>2</sup> 1024x768 Panel PC with Intel® Celeron® Processor J6412, 8GB LPDDR4x on-board, HDMI output, black, 12-24V DC input, projected capacitive touchscreen with AG, Powder paint,R12 |
|------------------------|--|

## Options

| Item           | Part No                 | Description  |
|----------------|-------------------------|--|
| Arm            | ARM-11-RS/ARM-31-RS     | VESA 75/100 Desk ARM   |
| Stand          | STAND-C12-R10           | VESA 75/100 Easy Stand   |
| Wall Mount Kit | AFLWK-12/AFLWK-19B      | Monitor Wall mounting kit  |
| OS             | PPC2-EHL-W10IoT21-E-R11 | OS Image with Windows®10 Enterprise Entry 64-bit 2021 LTSC for PPC2-EHL Series |
| Wifi Kit       | EMB-WIFI-KIT02I3-R10    | M.2 wifi module kit for embedded system  |