

## Industrial Fanless Panel PC

GPC8-215-i710-16-128



### CPU Specifications & Ports

|                        |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| CPU                    | Intel Core i7 10th Gen                                                                 |
| RAM                    | 8GB/16 GB /32 GB /64 GB                                                                |
| SSD                    | 128GB/256GB/512GB/1TB/2TB                                                              |
| HDMI Output Resolution | 4096*2106@24Hz                                                                         |
| Ethernet               | 2* Intel i210v LAN Chip Ethernet Ports                                                 |
| USB                    | 4* USB 3.0                                                                             |
| COM                    | 4* RS-232 Ports,<br>2* RS-232/RS-422/RS-485                                            |
| Audio                  | 1* Audio Output Port                                                                   |
| Wi-Fi                  | Integrated Wi-Fi module, 2.4G: 574m,<br>5G: 2400m, 6G: 2400m802.11ax,<br>Bluetooth 5.3 |
| Supported Systems      | Windows 7/WES 7, Windows 10, Windows<br>11, Linux, VxWorks & QNX                       |



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### Screen Specifications

|                          |                             |
|--------------------------|-----------------------------|
| Screen Size              | 15.6" TFT LED Screen        |
| Screen Ratio             | 16:9                        |
| Screen Resolution        | 1920*1080                   |
| Brightness               | 350 nit                     |
| Contrast                 | 800:1                       |
| Color                    | 16M                         |
| Screen Type              | Capacitive                  |
| Transmittance            | More than %95               |
| Touch Life               | 50 million touch            |
| Response Time            | < 5 ms                      |
| Touch Screen Sensitivity | 7 Mohs                      |
| IP Level                 | Front Panel IP65 Protection |

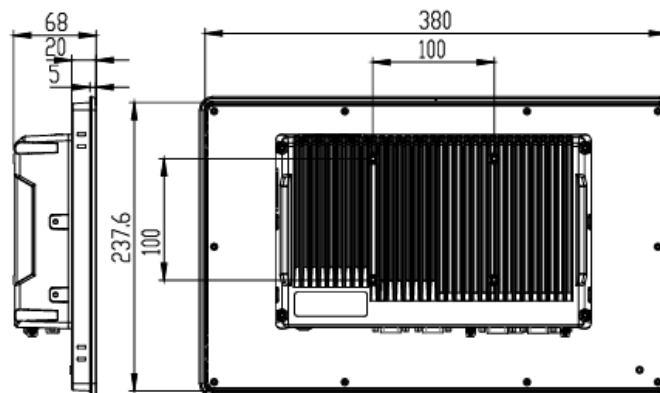
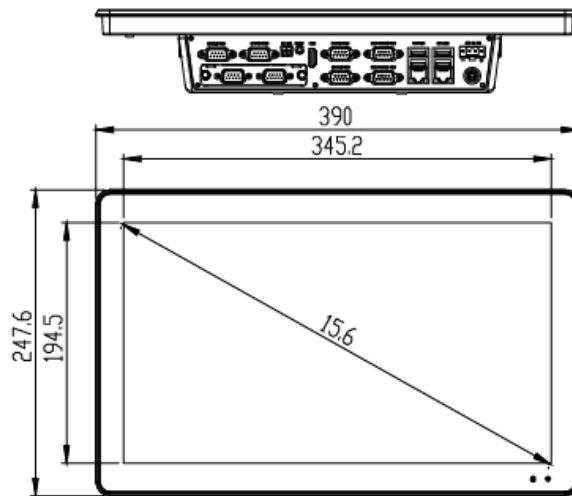
### Case Specifications & Industrial Protection

|                              |                                             |
|------------------------------|---------------------------------------------|
| Power Input                  | Terminal Type DC 9-36V power input          |
| Working Temperature          | -30°C~70°C                                  |
| Case Material                | Aluminum Alloy                              |
| Heat Dissipation             | Fanless Design                              |
| Mounting Options             | VESA 100x100, Desktop, Embedded, Wall Mount |
| Size                         | 390mm*247.6mm*68mm                          |
| Industrial Static Protection | 6000V                                       |
| Industrial Surge Protection  | 8000V                                       |
| Industrial Pulse Protection  | 2000V                                       |
| Other Protection             | Power Input Overvoltage Protection          |

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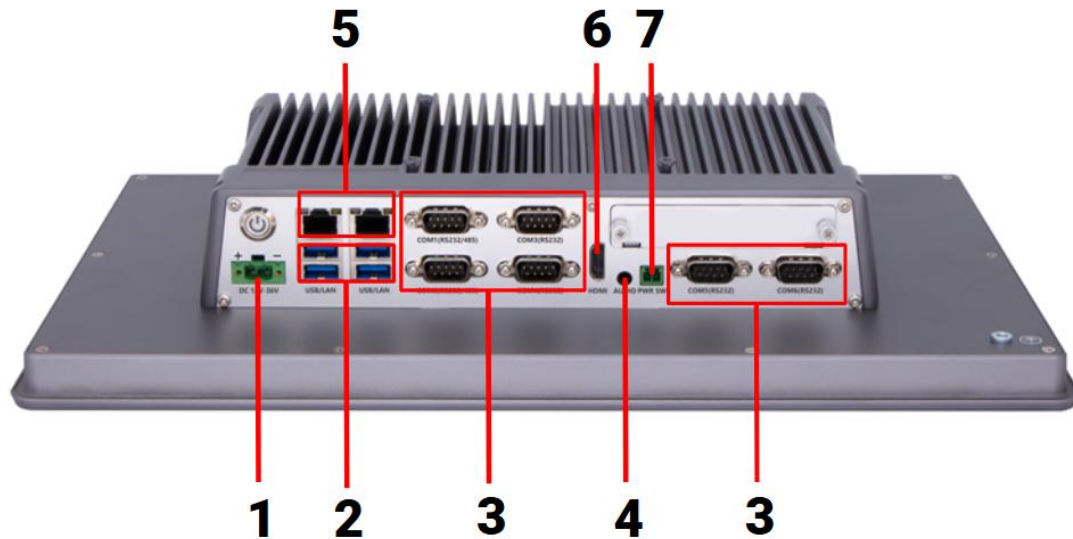
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Technical Drawings (mm)

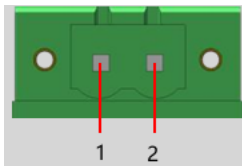


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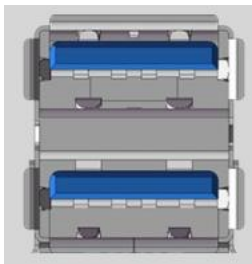


### (1) Power Input



| Pin No | Description |
|--------|-------------|
| 1      | DC 9-36V IN |
| 2      | GND         |

### (2) USB 3.0 Port

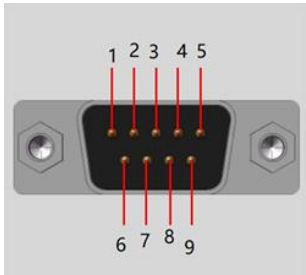


| Pin No | Description |
|--------|-------------|
| 1      | VSBS        |
| 2      | Data-       |
| 3      | Data+       |
| 4      | GND         |
| 5      | StdA_SSRX-  |
| 6      | StdA_SSRX+  |
| 7      | GND_DRAIN   |
| 8      | StdA_SSTX-  |
| 9      | StdA_SSTX+  |

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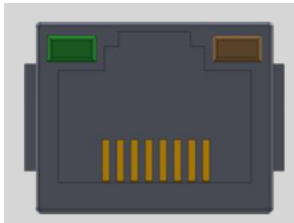
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### (3) Serial Port Connection



| Pin No | Description |       |        |
|--------|-------------|-------|--------|
|        | RS-232      | RS485 | RS-422 |
| 1      | DCD         | B-    | TX-    |
| 2      | RXD         | A+    | TX+    |
| 3      | TXD         | NC    | RX+    |
| 4      | DTR         | NC    | RX-    |
| 5      | GND         | GND   | GND    |
| 6      | DSR         | NC    | NC     |
| 7      | RTS         | NC    | NC     |
| 8      | CTS         | NC    | NC     |
| 9      | RI          | NC    | NC     |

### (5) 2/1000M LAN Input

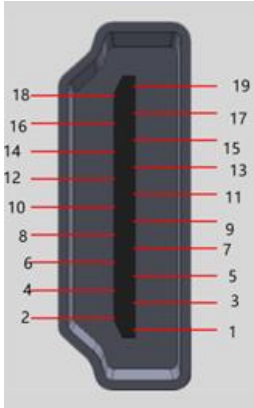


| Pin No | Description |
|--------|-------------|
| 1      | TX_D1+      |
| 2      | TX_D1-      |
| 3      | RX_D2+      |
| 4      | BI_D3+      |
| 5      | BI_D3-      |
| 6      | RX_D2-      |
| 7      | BI_D4+      |
| 8      | BI_D4-      |

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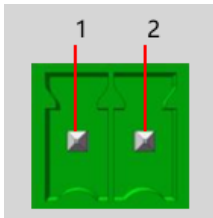
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### (6) HDMI



| Pin No | Description              |
|--------|--------------------------|
| 1      | TMDS Data2+              |
| 2      | TMDSData2 Shield         |
| 3      | TMDsData2-               |
| 4      | TMDSData1+               |
| 5      | TMDSData1 Shield         |
| 6      | TMDSData1-               |
| 7      | TMDS Data0+              |
| 8      | TMDs Data0 Shield        |
| 9      | TMDS Data0-              |
| 10     | TMDS Clock+              |
| 11     | TMDS Clock Shield        |
| 12     | TMDS Clock-              |
| 13     | CEC                      |
| 14     | Reserved (N.C.on device) |
| 15     | SCL                      |
| 16     | SDA                      |
| 17     | DDCICEC Ground           |
| 18     | +5V Power                |
| 19     | Hot Plug Detect          |

### (7) Power Switch



| Pin No | Description |
|--------|-------------|
| 1      | PW+         |
| 2      | PW-         |