

# P2181Y-C6 / P2181Y-R6

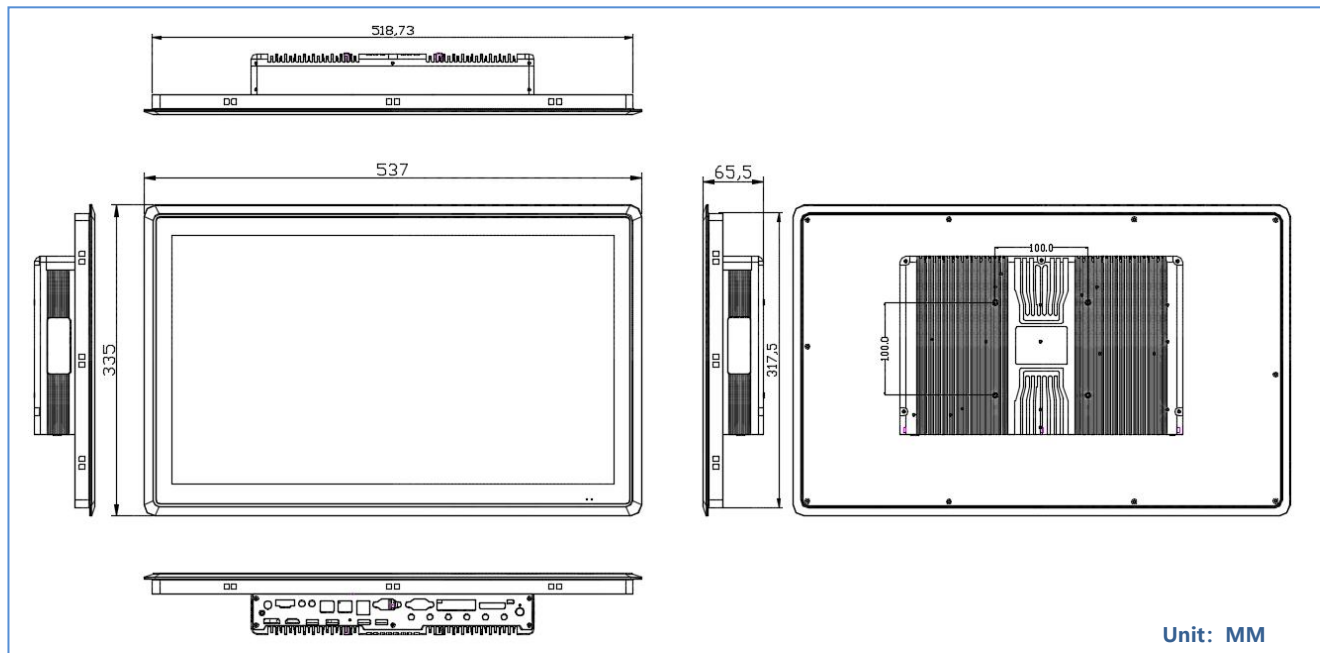


## Features

- 21.5" LCD, 1920\*1080, capacitive touch screen
- Intel® i5-1135G7/2.40GHz quad core 8-thread CPU
- 2\*SODIMM DDR4, 3200MHz, up to 64GB
- 1\*HDMI, 1\*DP
- 2\*Intel I210 Gigabit Ethernet
- 6\*RS232 (5\*RS485, 1\*RS422)
- 4\*DI, 4\*DO
- 4\*USB3.0, 2\*USB2.0
- DC 9~36V
- Aluminum case, fanless design

|              |                                                                                         |                                                                                                                                      |
|--------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Model No.    | P2181Y-C6 V2.0(1135G7)- PCAP / P2181Y-R6 V2.0(1135G7) - с резистивным сенсорным экраном |                                                                                                                                      |
| Chassis      | Material/Structure                                                                      | Aluminum case, fanless design                                                                                                        |
|              | Color                                                                                   | Silver                                                                                                                               |
|              | Dimension                                                                               | L537*W335*H65mm                                                                                                                      |
|              | Net Weight                                                                              | 7.5KG                                                                                                                                |
|              | Installation                                                                            | VESA mount (100*100) / embedded                                                                                                      |
| LCD Screen   | Type                                                                                    | 21.5" LCD, aspect ratio 16:9, wide screen                                                                                            |
|              | Resolution                                                                              | 1920 * 1080                                                                                                                          |
|              | Luminance                                                                               | 300 cd/m <sup>2</sup>                                                                                                                |
| Touch Screen | Type                                                                                    | Capacitive, 10-point touch / Resistive, single touch                                                                                 |
|              | Light Transmission                                                                      | >86%                                                                                                                                 |
| Motherboard  | CPU                                                                                     | Onboard Intel® i5-1135G7/2.40GHz quad core 8-thread processor, TDP 28W                                                               |
|              | Graphics                                                                                | Integrated Intel® Iris® Xe Graphics                                                                                                  |
|              | Memory                                                                                  | 2*DDR4 SODIMM RAM slot, 3200MHz, up to 64GB                                                                                          |
| IO Port      | POWER                                                                                   | 1*Power button, 1* One-key recovery, 1*AC LOSS (auto power ON/OFF)                                                                   |
|              | LED                                                                                     | 1*Power LED, 1* HDD LED                                                                                                              |
|              | Display                                                                                 | 1*HDMI (4096x2304@24Hz) , 1*DP (4096x2304@60Hz)                                                                                      |
|              | LAN                                                                                     | 2*Intel I210 Gigabit Ethernet, support Wake On LAN、PXE                                                                               |
|              | USB                                                                                     | 4*USB3.0, 2*USB2.0 (USB3.0/2.0 quantity based on CPU)                                                                                |
|              | COM                                                                                     | 6*RS232, COM1 DB9 RS232, COM2 DB9 RS232/485/422, COM3-6 RS232/485 on 2*10pin Phoenix connector, COM1-2 support pin9 charged function |
|              | DI/DO                                                                                   | 4*DI, 4*DO (on 2*15Pin Phoenix connector)                                                                                            |
|              | Remote Control                                                                          | 1* Remote control signal, 1* power button LED signal, (on 2*15P Phoenix connector)                                                   |
|              | DIP switch                                                                              | 10-digit dip switch for COM2~6 RS232/485/422 selection                                                                               |
|              | Audio                                                                                   | 1*Line out, 1*MIC                                                                                                                    |
| Storage      | Power                                                                                   | 1*DC (5.5*2.5) aviation connector, 1*2P(P=5.08mm) Phoenix connector, 9V~36V input                                                    |
|              | SATA                                                                                    | 1*2.5" SATA port                                                                                                                     |
|              | M.2                                                                                     | 1*M.2 SSD port, support Key-M, 2280, NVME PCIe4 SSD                                                                                  |
|              | MSATA                                                                                   | 1*MSATA SSD port                                                                                                                     |
| Expansion    | WiFi                                                                                    | 1*M.2, Key-E, 2230, support WiFi+BT module                                                                                           |
|              | 5G                                                                                      | 1*M.2, Key-B, 3042/3052, support 5G module                                                                                           |
| OS Support   | Windows                                                                                 | Windows 10                                                                                                                           |
|              | Linux                                                                                   | Ubuntu                                                                                                                               |
|              | Watch Dog                                                                               | Support hardware reset function (L256, 0~255 seconds)                                                                                |
| Power Supply | Voltage Input                                                                           | 9V~36V                                                                                                                               |
|              | Consumption                                                                             | AC To DC 90W                                                                                                                         |
| Environment  | Operating Temp.                                                                         | -10°C ~ 50°C                                                                                                                         |
|              | Storage Temp.                                                                           | -20°C ~ 70°C                                                                                                                         |
|              | Relative Humidity                                                                       | 5%-95% relative humidity, non-condensing                                                                                             |
|              | Vibration                                                                               | 0.5g rms/5-500HZ/random/operating                                                                                                    |

## Dimension



Front View



Back View



Bottom I/O View

## Order Information

| No. | Model                  | CPU                | Memory    | Motherboard | IO Board           | DI/DO | LAN | COM | HDMI | USB 2.0 | USB 3.0 | power |
|-----|------------------------|--------------------|-----------|-------------|--------------------|-------|-----|-----|------|---------|---------|-------|
| 1   | P2181Y-C6 V2.0(J6412)  | J6412/2.00G        | 2*SODDDR4 | Q642HD1     | P1082-C6/P1071-LED | 4/4   | 2   | 6   | 1    | 2       | 4       | 9~36V |
| 2   | P2181Y-C6 V2.0(7300U)  | I5-7300U/2.6G      | 2*SODDDR4 | Q68HD1      | P1082-C6/P1071-LED | 4/4   | 2   | 6   | 1    | 2       | 4       | 9~36V |
| 3   | P2181Y-C6 V2.0(8260U)  | I5-8260U/1.6G      | 2*SODDDR4 | Q82HD1      | P1082-C6/P1071-LED | 4/4   | 2   | 6   | 1    | /       | 6       | 9~36V |
| 4   | P2181Y-C6 V2.0(10210U) | I5-10210U/1.6G     | 2*SODDDR4 | Q102HD1     | P1082-C6/P1071-LED | 4/4   | 2   | 6   | 1    | /       | 6       | 9~36V |
| 5   | P2181Y-C6 V2.0(1135G7) | I5-1135G7/2.4G     | 2*SODDDR4 | Q112HD1     | P1082-C6/P1071-LED | 4/4   | 2   | 6   | 1    | /       | 6       | 9~36V |
| 6   | P2181Y-C6 V2.0(N97)    | N97/Turbo 3.6G     | 1*SODDDR4 | Q305HD1     | P1082-C6/P1071-LED | 4/4   | 2   | 6   | 1    | 2       | 4       | 9~36V |
| 7   | P2181Y-C6 V2.0(N305)   | I3-N305/Turbo 3.8G | 1*SODDDR4 | Q305HD1     | P1082-C6/P1071-LED | 4/4   | 2   | 6   | 1    | 2       | 4       | 9~36V |
| 8   | P2181Y-C6 V2.0(1235U)  | I5-1235U/1.3G      | 2*SODDDR4 | Q122HD1     | P1082-C6/P1071-LED | 4/4   | 2   | 6   | 1    | /       | 6       | 9~36V |

## Accessory List

| No. | Part No.           | Description                                    | Qty | Unit | Remark                 |
|-----|--------------------|------------------------------------------------|-----|------|------------------------|
| 1   | 03.02.N12-KAKOU-12 | Buckle, L16.7*W16.2*H14.4mm (embedded bracket) | 8   | pcs  | Standard Configuration |
| 2   | 03.03.J01-0H015-00 | Power cable_L=1.5m                             | 1   | pcs  | Optional               |
| 3   | 03.01.DC0-L090F-90 | DC12V/7.5A/90W/5.5-2.5/power adapter           | 1   | pcs  | Optional               |