

## VIPAIPC215-ARM-IP65-2ETH/4ETH

■ Arm mounting PC

### ■ Features

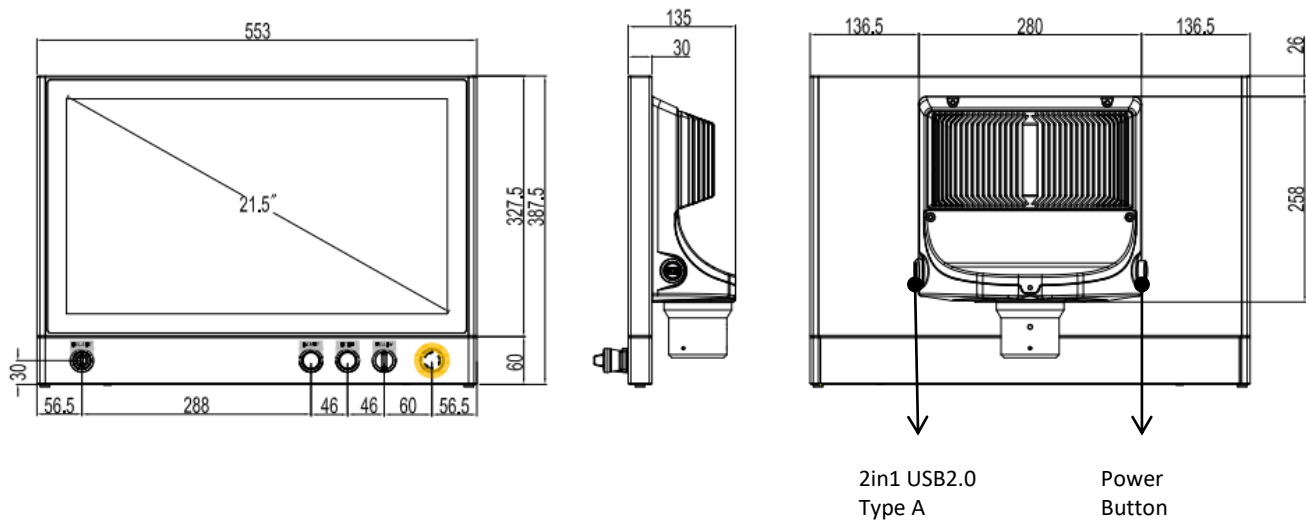
- 21.5" LCD,1920\*1080,resolution,Multi-touch,Capacitive Touchscreen
- Full IP65 design
- 2/4\*Glan/4\*USB3.0/1\*HDMI/2\*COM
- DC12-24V power input
- Support ARM mounting from TOP side or BOTTOM side
- Fanless and anodized aluminum
- Customer-specific requests for button units,up to 9x Ø22 buttons
- 1x power switch and 1x 2in1 USB 2.0 port at the back side



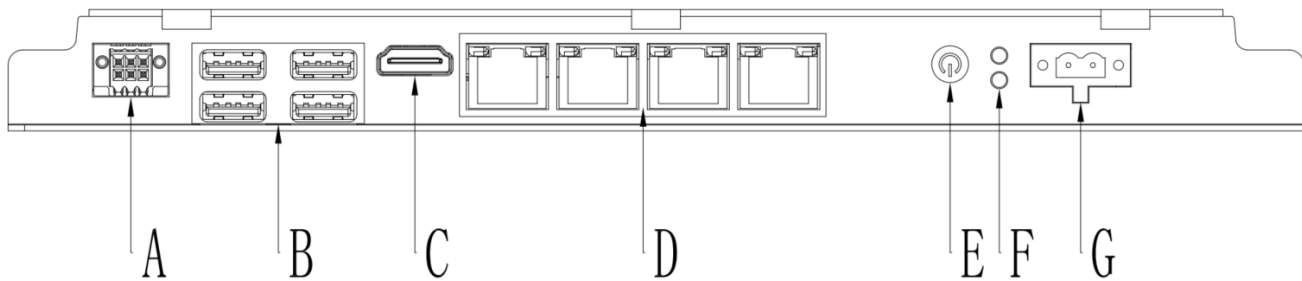
### ■ Specification

| Product Name      |                         |                                                                                                                                                                                                                     |                             |
|-------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| LCD               | Size                    | 21.5” LCD                                                                                                                                                                                                           |                             |
|                   | Resolution ratio        | 1920*1080                                                                                                                                                                                                           |                             |
|                   | White Luminance         | 250cd/m2                                                                                                                                                                                                            |                             |
|                   | MTBF (hour)             | 30000hrs                                                                                                                                                                                                            |                             |
|                   | Contrast Ratio          | 3000:1                                                                                                                                                                                                              |                             |
|                   | Viewing Angle           | (L)89 / (R)89 / (T)89 / (B)89                                                                                                                                                                                       |                             |
| Mechanical        | Dimensions (W x H x D)  | 553mm x 387.5mm x 135mm                                                                                                                                                                                             |                             |
|                   | Installation            | Swing ARM mounting (Support square tube and Rittal CP 40)                                                                                                                                                           |                             |
|                   | Buttons                 | Default: 1x Emergency button, 1x selection button, 1x red push button, 1x green push button, 1x Key switch (The pushbuttons are from RAFI)                                                                          |                             |
|                   | Weight                  | 9.0Kg                                                                                                                                                                                                               |                             |
| System            | CPU                     | CPU Intel® Core10-11th i5/i3/i7 CPU type LGA1200 . Max.35W                                                                                                                                                          |                             |
|                   | Memory                  | 2 x 260-pin DDR4 SODIMM, Maxsupport 32GB                                                                                                                                                                            |                             |
|                   | Storage                 | 1 x 2.5” HDD/SSD + 1 x mSATA                                                                                                                                                                                        |                             |
|                   | Network(LAN)            | 2 x Intel 1000Mbps Ethernet                                                                                                                                                                                         | 4 x Intel 1000Mbps Ethernet |
|                   | HDMI                    | HDMI1.2                                                                                                                                                                                                             |                             |
|                   | Serial ports            | 2 X RS232/485(optional) , 2x 3-pins Phoenix Connector                                                                                                                                                               |                             |
|                   | USB                     | 4 x USB3.0/2.0/1.0                                                                                                                                                                                                  |                             |
| Touch Screen      | Touch screen type       | Capacitive Touch screen                                                                                                                                                                                             |                             |
|                   | Communication interface | USB                                                                                                                                                                                                                 |                             |
|                   | Transmittance           | ≥87%                                                                                                                                                                                                                |                             |
| OS                | OS                      | Windows 10 IoT 2021 LTSC, Windows 11 IoT 2024 LTSC, Ubuntu, CentOS.                                                                                                                                                 |                             |
| Power Consumption | Input Voltage           | 12-24VDC ±10% , Support reverse connection protection, over voltage protection, over current protection<br>1x 2-pins Phoenix Connector for DC power(internal);<br>1x Power button with light at the back of housing |                             |
|                   | Idle Power Consumption  | Minimum 35W                                                                                                                                                                                                         |                             |
| Environment       | Operating Temperature   | 0°C ~ 50°C for SSD , 0°C ~ 45°C for HDD                                                                                                                                                                             |                             |
|                   | Storage Temperature     | -20°C ~ 60°C                                                                                                                                                                                                        |                             |
|                   | Humidity                | 5~95% @ 40°C (non-condensing)                                                                                                                                                                                       |                             |
|                   | Vibration               | SSD applied: 1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis                                                                                                                                                |                             |
|                   | Shock                   | Operating 10G peak acceleration (11ms duration), follow IEC 60068-2-27                                                                                                                                              |                             |
|                   | EMC                     | Class B                                                                                                                                                                                                             |                             |
|                   | IP rating               | Full IP65                                                                                                                                                                                                           |                             |

## ■ Dimensions (unit: mm) 21.5"



## ■ Internal I/O



A: 2\*RS232/485

B: 4\*USB3.0

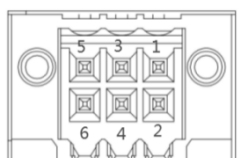
C: HDMI

D: 4\*LAN

E: Power button

F: HDD/Power LEDs

G: DC-in

| A                                                                                   |            |     |            |  |
|-------------------------------------------------------------------------------------|------------|-----|------------|--|
|  |            |     |            |  |
| Pin                                                                                 | Definition | Pin | Definition |  |
| 1                                                                                   | TX1/A1     | 2   | GND        |  |
| 3                                                                                   | RX1/B1     | 4   | TX2/A2     |  |
| 5                                                                                   | RX2/B2     | 6   | GND        |  |

Note: The number of LAN port depends on the ordering code (2ETH = 2LAN / 4ETH = 4LAN)

## ■ Button Area



note:

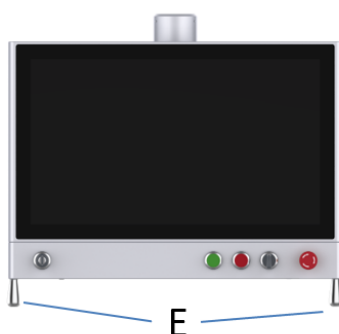
1. Fully configurable according to customer specifications
2. Frontally accessible for subsequent configuration changes and/or additions
3. Hard-wired connection mode
4. The number of elements that can be installed depends on the size of the display
5. Technical Supports: [www.vipaitalia.it](http://www.vipaitalia.it)

## ■ Ordering Information

| P/N | Product name             | Description                                                      |
|-----|--------------------------|------------------------------------------------------------------|
|     | VIPAIPC215-ARM-IP65-4ETH | 21.5", 1920*1080, 4*GigE lan, 4*USB3.0 , 1*HDMI , 2*COM, 12V-24V |
|     | VIPAIPC215-ARM-IP65-2ETH | 21.5", 1920*1080, 2*GigE lan, 4*USB3.0 , 1*HDMI , 2*COM, 12V-24V |

## ■ Optional Accessories

| Option items    | Description                                                                                                                                                                                                                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU             | Support 10th/11th generation Intel® Core i3/i5/i7 LGA 1200 socket type processors:<br>Intel® Core i3-10100T, Four Cores, 3.00 GHz, 6 MB Cache, TDP 35W;<br>Intel® Core i5-11500T, Six Cores, 1.50 GHz, 12 MB Cache, TDP 35W;<br>Intel® Core i7-11700T, Eight Cores, 1.40 GHz, 16 MB Cache, TDP 35W;<br><br>Please contact sales to check other request. |
| UPS             | Integrated supercapacitors, around 12 seconds power-off delay (CPU with TDP35W)                                                                                                                                                                                                                                                                         |
| Memory          | DDR4 4G/8G/16G                                                                                                                                                                                                                                                                                                                                          |
| Storage         | Mini SATA SSD 64G/128G/256G/512G/1TB<br>2.5" SATA SSD 128GB, 256GB, 512GB, 1TB, 2TB                                                                                                                                                                                                                                                                     |
| WiFi Module     | WiFi, 7260AN, folded cylinder TR tube                                                                                                                                                                                                                                                                                                                   |
| Handles         | Oval handle (E)                                                                                                                                                                                                                                                                                                                                         |
| Keyboard Holder | keyboard holder                                                                                                                                                                                                                                                                                                                                         |



Note: If the system provides some optional parts, additional certification of system compatibility may be required in some regions/countries, please contact VIPA ITALIA for system compatibility.