

## ViTAM-921BPR(H)

21.5" IP66 / IP69K Stainless Steel Panel PC

Industrial Panel PC

HMI Controller

Industrial  
Display Monitor

Box PC



### Features

- 21.5" New Generation Stainless Steel Panel PC
- 8th Gen. Intel Core i3/i5 BGA type Processor
- True Flat Front Bezel Design and Grade 304 Stainless Steel Enclosure (Grade 316 for Option)
- IP66/IP69K Rated with M12 Connectors
- Support Resistive Touch, Projected Capacitive Touch
- Touch on/off Button on the Side Edge for Hygienic Cleaning
- Support Ergonomic Versatile Mounting: Yoke Mounting / Space-saving VESA 100 x 100 mm Mounting

### Specifications

| System            |                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU               | Core i5-8365UE(Quad Core, 6 MB cache, 1.6GHz)<br>Core i3-8145UE(Dual Core, 4 MB cache, 2.2GHz)                                                                                      |
| System Chipset    | SoC                                                                                                                                                                                 |
| Memory            | 2 x 260-pin SO-DIMM up to 64GB DDR4 2400MHz                                                                                                                                         |
| TPM               | Firmware TPM (TPM 2.0 compliance)                                                                                                                                                   |
| IO Port           |                                                                                                                                                                                     |
| USB               | 1 x M12 8-pin for USB 2.0 with waterproof cover and chain                                                                                                                           |
| Serial / Parallel | 1 x M12 8-pin COM1, RS-232/422/485, default RS-232, with waterproof cover and chain                                                                                                 |
| LAN               | 1 x M12 8-pin for LAN with waterproof cover and chain                                                                                                                               |
| Others            | 1 x Touch on/off button at the side                                                                                                                                                 |
| Power Connector   | 1 x M12 3-pin for DC power with waterproof cover and chain<br>1 x Power switch on the rear                                                                                          |
| Option            | 2 x optional blank M12 connector with waterproof cover and chain for selecting two from the following options:<br>2 x USB 2.0<br>1 x USB 3.2 Gen.1<br>1 x LAN<br>1 x COM<br>1 x CAN |

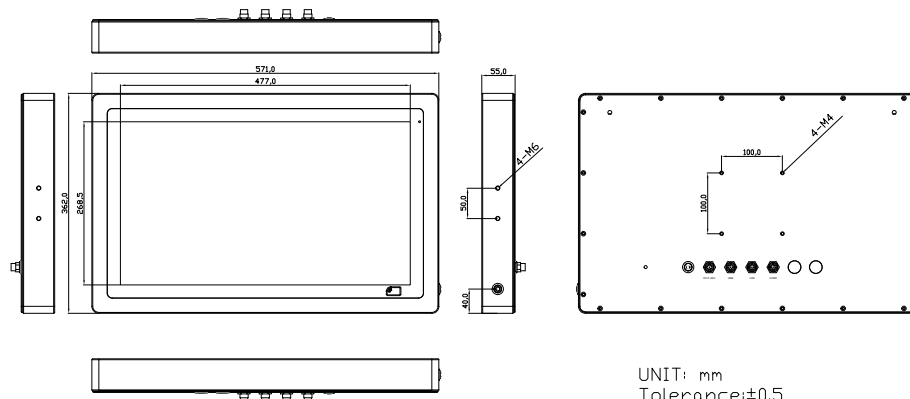
| Storage Space |                                                                |
|---------------|----------------------------------------------------------------|
| HDD           | 1 x 2.5" SATA3 HDD (for option)                                |
| M.2           | 1 x B-key 2280 (SATA as default, PCI-e select by BIOS) for SSD |

| Expansion      |                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Expansion slot | 1 x Full size mSATA/mPCIe (mSATA as default, select by BIOS)<br>1 x NANO-SIM<br>1 x M.2 E-key 2230 (PCIe+USB) for optional WIFI/BT module |
| RFID module    | RFID module design on the front side (for option)                                                                                         |

| Display                        | Standard      | High Brightness Optional |
|--------------------------------|---------------|--------------------------|
| Display Type                   | 21.5" TFT-LCD | 21.5" TFT-LCD            |
| Max. Resolution                | 1920 x 1080   | 1920 x 1080              |
| Max. Color                     | 16.7M         | 16.7M                    |
| Luminance (cd/m <sup>2</sup> ) | 250           | 1000                     |
| View Angle                     | 178(H)/178(V) | 178(H)/178(V)            |
| Contrast                       | 3000:1        | 3000:1                   |
| Backlight Lifetime             | 30,000 hrs    | 50,000 hrs               |

| Touch Screen          |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Type                  | Resistive Touch (for BR model)<br>Projected Capacitive (for BP model) |
| Interface             | USB                                                                   |
| Light Transmission(%) | Resistive Touch : 80%<br>Projected Capacitive : 90%                   |

### Dimensions



UNIT: mm  
Tolerance:±0.5

| Power                               |                                                                                                                                                                                                    |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Input                         | DC 9~36V                                                                                                                                                                                           |
| Power Consumption                   | ViTAM-921BP: 40W                                                                                                                                                                                   |
| Mechanical                          |                                                                                                                                                                                                    |
| Construction                        | 304 Stainless steel chassis(default), 316 Stainless steel chassis(optional)                                                                                                                        |
| Mounting                            | VESA mount 100 x 100, Yoke mount for optional                                                                                                                                                      |
| IP Rating                           | Total IP66/IP69K                                                                                                                                                                                   |
| Dimensions                          | 571 x 362 x 55 mm                                                                                                                                                                                  |
| Net Weight                          | 10.0 kg                                                                                                                                                                                            |
| Environmental                       |                                                                                                                                                                                                    |
| Operating Temperature               | 0~50°C                                                                                                                                                                                             |
| Storage Temperature                 | -30~70°C                                                                                                                                                                                           |
| Humidity                            | 10 to 95% @ 40°C, non-condensing                                                                                                                                                                   |
| Certificate                         | CE/FCC Class A                                                                                                                                                                                     |
| Operating System Support            |                                                                                                                                                                                                    |
| Windows 10 IoT ENT LTSC, Windows 11 |                                                                                                                                                                                                    |
| Ordering Information                |                                                                                                                                                                                                    |
| ViTAM-921BP                         | 21.5" FHD IP66/IP69K stainless steel panel pc, Intel 8th Gen. Core i Processor, 2 x SO-DIMM DDR4 slots, 128GB TLC SSD, projected capacitive touch, 9~36V DC power input with Adapter               |
| ViTAM-921BR                         | 21.5" FHD IP66/IP69K stainless steel panel pc, Intel 8th Gen. Core i Processor, 2 x SO-DIMM DDR4 slots, 128GB TLC SSD, 5 wire resistive touch window, 9~36V DC power input with Adapter            |
| ViTAM-921BPH                        | 21.5" FHD IP66/IP69K stainless steel panel pc, Intel 8th Gen. Core i Processor, 2 x SO-DIMM DDR4 slots, 128GB TLC SSD, projected capacitive touch, 9~36V DC power input with Adapter, 1000 nits    |
| ViTAM-921BRH                        | 21.5" FHD IP66/IP69K stainless steel panel pc, Intel 8th Gen. Core i Processor, 2 x SO-DIMM DDR4 slots, 128GB TLC SSD, 5 wire resistive touch window, 9~36V DC power input with Adapter, 1000 nits |

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