

11<sup>th</sup> Gen 12.1"

6 Sides Full IP65 Stainless Touch IPC

## Features

- Fanless and rugged design
- Wide temperature & sunlight readable solution
- 11<sup>th</sup> Gen Intel® i3 1115GRE / i7 1185GRE processors
- Resolution 1024 x 768 dpi
- True Flat PCT / 5 Wires Resistive touch solution
- Full 304 IP65 6 sides stainless chassis
- All IP65 M12 waterproof connectors
- 2 x USB, 2 x RS232, 2 x GLAN
- VESA mount & Yoke mount



## Specifications

| Model No.         | IP122P104/106W                                                                                                                                                 | IP122R104/106W |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| System            |                                                                                                                                                                |                |
| CPU               | 11 <sup>th</sup> Gen Intel® Core™ i3 1115GRE / i7 1185GRE processors                                                                                           |                |
| Memory            | 2 x 260-pin DDR4 3200MHz SODIMM up to 64 GB                                                                                                                    |                |
| H/W Monitor       |                                                                                                                                                                |                |
| H/W Monitor       | Watch Dog Timer 256 Level                                                                                                                                      |                |
| TPM               |                                                                                                                                                                |                |
| Controller        | Infineon SLB9670VQ2.0                                                                                                                                          |                |
| I/O Ports         |                                                                                                                                                                |                |
| RS232             | 2                                                                                                                                                              |                |
| GLAN              | 2                                                                                                                                                              |                |
| USB               | 2                                                                                                                                                              |                |
| Storage           |                                                                                                                                                                |                |
| Storage           | 1 x SATA 3.0                                                                                                                                                   |                |
| Expansion         |                                                                                                                                                                |                |
| M.2               | 1 x M.2 M key (PCI e Gen x 4 NVMe) 2280<br>1 x M2 B Key ( PCI e x 1 , USB 2.0 w/NANO SIM Holder SATA 3.0) 2242/3042<br>1 x M.2 E key (PCI e x 1, USB 2.0) 2230 |                |
| Power Requirement |                                                                                                                                                                |                |
| Power Requirement | DC in 12 ~ 24V ( OCP & OVP)                                                                                                                                    |                |
| Touch Screen      |                                                                                                                                                                |                |
| Touch Screen      | PCT                                                                                                                                                            | 5W (one touch) |



|                            |                                                                                                                                            |                 |                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| OS support                 |                                                                                                                                            |                 |                                                                                                                                                    |
| OS support                 | Win Pro 10 / Window 10 IoT / Linux Kernel 5.4 Ubuntu LTS                                                                                   |                 |                                                                                                                                                    |
| Display                    |                                                                                                                                            |                 |                                                                                                                                                    |
| Size                       | 12.1" TFT (4:3)                                                                                                                            |                 |                                                                                                                                                    |
| Resolution                 | 1024 x 768                                                                                                                                 |                 |                                                                                                                                                    |
| Colors                     | 16.7M                                                                                                                                      |                 |                                                                                                                                                    |
| Luminance                  | 350 cd/m <sup>2</sup>                                                                                                                      |                 |                                                                                                                                                    |
| Contrast Ratio             | 800 : 1                                                                                                                                    |                 |                                                                                                                                                    |
| View Angle (H/V)           | 160°/160°                                                                                                                                  |                 |                                                                                                                                                    |
| Mechanical & Environmental |                                                                                                                                            |                 |                                                                                                                                                    |
| Heatsink                   | Back side                                                                                                                                  |                 |                                                                                                                                                    |
| I/O ports                  | Back side                                                                                                                                  |                 |                                                                                                                                                    |
| Operation Temp.            | -20 ~ 60°C                                                                                                                                 |                 |                                                                                                                                                    |
| Storage Humidity           | 10 ~ 90%, non-condensing                                                                                                                   |                 |                                                                                                                                                    |
| Mount                      | VESA mount ( 100 x 100 mm ) & Yoke mount                                                                                                   |                 |                                                                                                                                                    |
| Dimension (WxHxD)          | 347 x 276 x 65 mm                                                                                                                          |                 |                                                                                                                                                    |
| Weight                     | TBD                                                                                                                                        |                 |                                                                                                                                                    |
| Optional                   |                                                                                                                                            |                 |                                                                                                                                                    |
| P/N: 3100400001            | External antenna ( WIFI)                                                                                                                   |                 |                                                                                                                                                    |
| P/N: 2351206003            | Full IP65 Waterproof Power adaptor with European power cord ( 60W / 90 ~ 295V AC input / 12V DC output)                                    |                 |                                                                                                                                                    |
| P/N: 2352406011            | Full IP65 Waterproof Power adaptor with European power cord (60W / 90 ~ 295V AC input / 24V DC output)                                     |                 |                                                                                                                                                    |
| P/N: 2351206004            | Full IP65 Waterproof Power adaptor with US power cord ( 60W / 90 ~ 295V AC input / 12V DC output)                                          |                 |                                                                                                                                                    |
| P/N: 2352406012            | Full IP65 Waterproof Power adaptor with US power cord (60W / 90 ~ 295V AC input / 24V DC output)                                           |                 |                                                                                                                                                    |
| P/N: 2320000001            | Optical Bonding                                                                                                                            |                 |                                                                                                                                                    |
| P/N: 2340000006            | HDMI port                                                                                                                                  |                 |                                                                                                                                                    |
| P/N: 3120400001            | RFID Reader RS232 interface (13.56 MHz standard and 125KHz, Up to 50 mm at 5V ~ 18V)                                                       |                 |                                                                                                                                                    |
| P/N: 302A17006C            | 1600 cd/m <sup>2</sup> High Brightness 12.1" LCD panel 1024 x 768 dpi                                                                      |                 |                                                                                                                                                    |
| Optional HB Panel          | IP122P104/106K                                                                                                                             | IP122R104/106K  |                                                                                                                                                    |
| Resolution                 | 1024 x 768                                                                                                                                 |                 |                                                                                                                                                    |
| Color                      | 16.7M                                                                                                                                      |                 |                                                                                                                                                    |
| Luminance                  | 1000 cd/m <sup>2</sup>                                                                                                                     |                 |                                                                                                                                                    |
| Contrast Ratio             | 800 : 1                                                                                                                                    |                 |                                                                                                                                                    |
| Viewing Angle (H/V)        | 160°/160°                                                                                                                                  |                 |                                                                                                                                                    |
| Order information          |                                                                                                                                            |                 |                                                                                                                                                    |
| IP122P104W04128            | 12.1" wide temp stainless steel panel PC, Intel i3 1115GRE processor, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter | IP122P104K04128 | 12.1" wide temp stainless steel panel PC, Intel i3 1115GRE processor, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter,1000nit |



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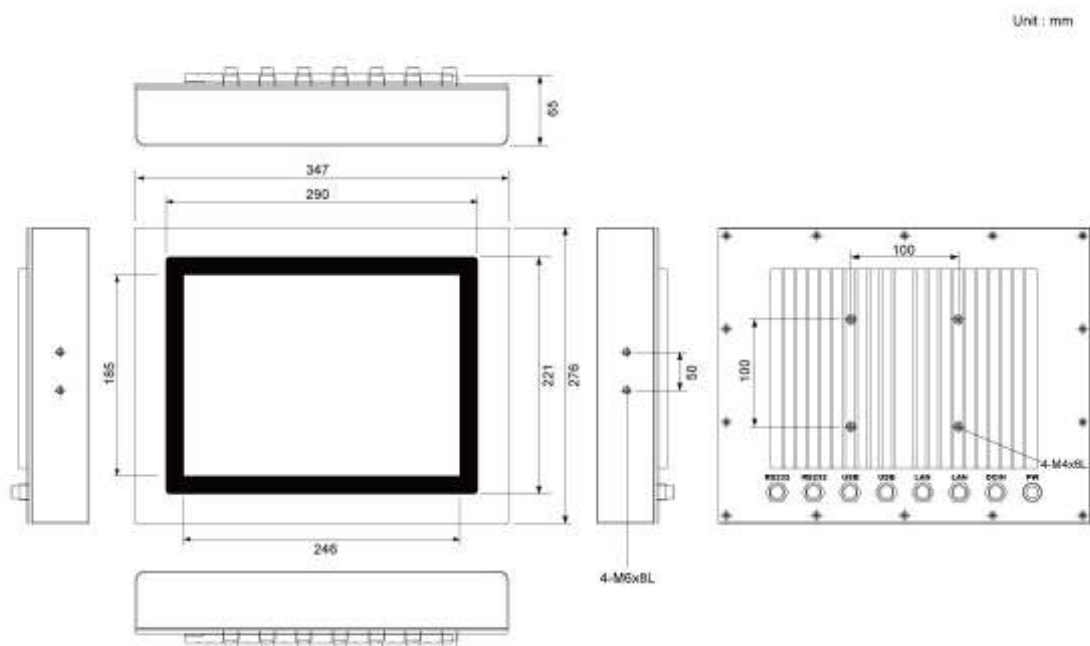


|                         |                                                                                                                                                              |                         |                                                                                                                                                                       |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IP122P106W04128</b>  | 12.1" wide temp stainless steel panel PC,<br>Intel i7 1185GRE processor, True flat PCT,<br>4GB DDR4 So-DIMM., M.2 128GB SSD,<br>DC in power adapter          | <b>IP122P106K04128</b>  | 12.1" wide temp stainless steel panel PC,<br>Intel i7 1185GRE processor, True flat PCT,<br>4GB DDR4 So-DIMM., M.2 128GB SSD, DC<br>in power adapter,1000 nit          |
| <b>IP122R104W04128</b>  | 12.1" wide temp stainless steel panel PC,<br>Intel i3 1115GRE processor, True flat 5W<br>resistive, 4GB DDR4 So-DIMM., M.2<br>128GB SSD, DC in power adapter | <b>IP122R104K04128</b>  | 12.1" wide temp stainless steel panel PC,<br>Intel i3 1115GRE processor, True flat 5W<br>resistive, 4GB DDR4 So-DIMM., M.2 128GB<br>SSD, DC in power adapter,1000nit  |
| <b>IP122PR106W04128</b> | 12.1" wide temp stainless steel panel PC,<br>Intel i7 1185GRE processor, True flat 5W<br>resistive, 4GB DDR4 So-DIMM., M.2<br>128GB SSD, DC in power adapter | <b>IP122PR106K04128</b> | 12.1" wide temp stainless steel panel PC,<br>Intel i7 1185GRE processor, True flat 5W<br>resistive, 4GB DDR4 So-DIMM., M.2 128GB<br>SSD, DC in power adapter, 1000nit |

**\*\*Specifications are subject to change without notice.**

## Dimension

- IP122P104/106W, IP122R104/106W



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