

# PSR122-FE



Fanless 21.5" Industrial Panel PC with Intel® Ultra5



## FEATURES

- Intel® Core™ Ultra5
- 21.5" 1920x1080 LCD display
- Resistive touch
- Front panel, IP66-compliant
- 1x Gigabit Ethernet, 1x 2.5 Gigabit Ethernet
- Triple display support
- Wide DC power range 12-36 VDC
- Wide AC power range 85-264 VAC



| SYSTEM      |                                                    |
|-------------|----------------------------------------------------|
| CPU         | Intel® Core™ Ultra5, 125H                          |
| CHIPSET     | Intel® Meteor Lake-H                               |
| GRAPHICS    | Intel® Arc™ Graphics                               |
| MEMORY TYPE | 1x DDR5 SO-DIMM 5600 MHz max 48 GB                 |
| AUDIO       | Realtek® ALC256 HD                                 |
| ETHERNET    | 1x Intel® I226LM 2.5 GbE<br>1x Intel® I210AT 1 GbE |

| DISPLAY        |                                 |
|----------------|---------------------------------|
| TFT TYPE       | 21.5" TFT LCD                   |
| MAX RESOLUTION | 1920x1080                       |
| LUMINANCE      | 250 cd/m <sup>2</sup>           |
| CONTRAST RATIO | 3000 : 1                        |
| VIEW ANGLE     | 89° / 89° / 89° / 89° (L/R/U/D) |
| MAX COLORS     | 16.7 Millions                   |
| TOUCH TYPE     | Five wire resistive             |

| STORAGE |             |
|---------|-------------|
| DEVICE  | 1x 2.5" SSD |

| EXTERNAL I/O      |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| SERIAL PORTS      | 1x COM (RS-232/422/485)<br>2x COM (RS-232/422/485) optional             |
| USB PORTS         | 2x USB 3.2, 2x USB 3.2 Type-C, 2x USB 2.0,<br>1x USB 2.0 on front panel |
| AUDIO             | N/A                                                                     |
| VIDEO OUTPUT      | 1x HDMI (4096x2160), 1x DisplayPort (4096x2160)                         |
| LAN               | 2x RJ45 Ethernet ports                                                  |
| PS2               | N/A                                                                     |
| SUPPLY CONNECTION | 24 VDC terminal block<br>110-230 VAC standard VDE connector             |

| OS SUPPORT  |                                                 |
|-------------|-------------------------------------------------|
| MICROSOFT ® | Windows 10 Enterprise LTSC 2019 (64 bit)        |
| MICROSOFT ® | Windows 10 Enterprise LTSC 2021 (64 bit)        |
| MICROSOFT ® | Windows 10 PRO (64 bit)                         |
| MICROSOFT ® | Windows 11 Enterprise LTSC 2024 (64 bit)        |
| MICROSOFT ® | Windows 11 PRO (64 bit)                         |
| LINUX       | Ubuntu 24.04.1 LTS or newer and further distros |

| POWER SYSTEM        |                         |
|---------------------|-------------------------|
| RATED INPUT VOLTAGE | 24 VDC<br>110-230 VAC   |
| INPUT VOLTAGE LIMIT | 12-36 VDC<br>85-264 VAC |
| POWER CONSUMPTION   | 52 W                    |

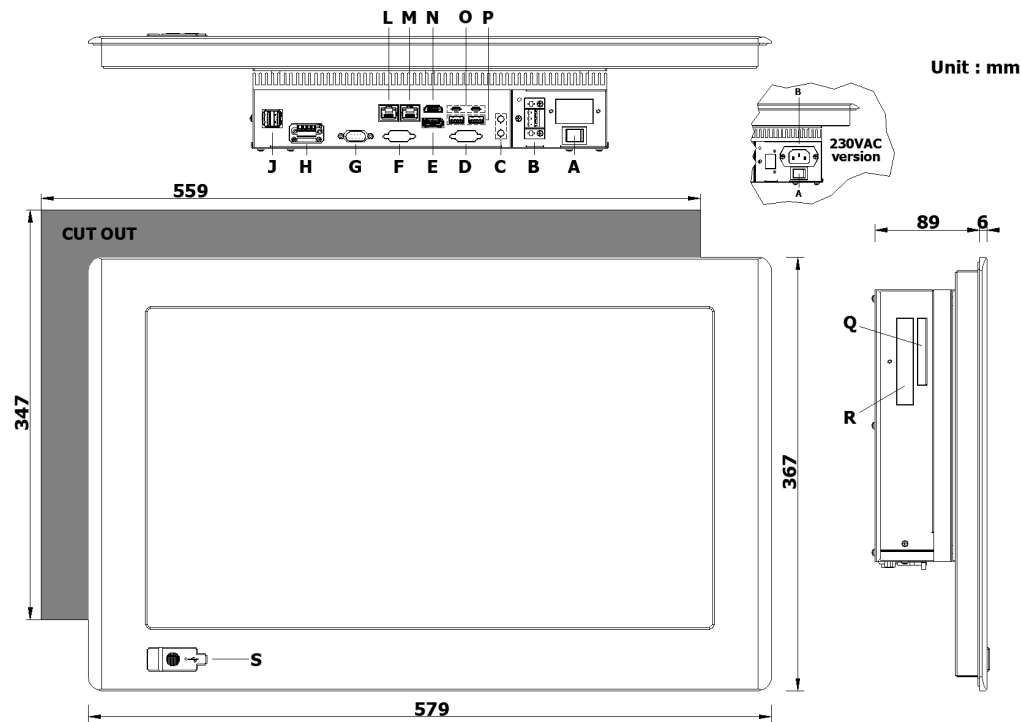
| MECHANICAL        |                                     |
|-------------------|-------------------------------------|
| DIMENSION (WxHxD) | 579x367x95 mm (22.8x14.4x3.7 in)    |
| WEIGHT            | 9 Kg                                |
| FRONT PANEL       | Anodized aluminum                   |
| CHASSIS           | SECC steel (galvanized)             |
| MOUNTING TYPE     | Panel mounting with retaining clips |

| ENVIRONMENT            |                                    |
|------------------------|------------------------------------|
| OPERATING TEMPERATURE  | 0 ~ 50 °C (32 ~ 122 °F)            |
| STORAGE TEMPERATURE    | -20 ~ 60 °C (-4 ~ 140 °F)          |
| OPERATING HUMIDITY     | 10 ~ 95 % @ 40 °C (non-condensing) |
| FRONT PANEL PROTECTION | IP66                               |
| EMC                    | CE                                 |
| SAFETY                 | CE                                 |

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Dimensions - I/O View :

- A - Power switch
- B - Supply connector
- C - 2x Wi-fi antenna (optional)
- D - RS-232/422/485 (COM 3 - optional)
- E - 1x DisplayPort
- F - RS-232/422/485 (COM 2 - optional)
- G - RS-232/422/485 (COM 1)
- H - Remote power On/Off Remote reset
- J - 2x USB 2.0
- L - Gigabit LAN 2
- M - Gigabit 2.5 LAN 1
- N - 1x HDMI
- O - 2x USB 3.2 (Type-C)
- P - 2x USB 3.2
- Q - Removable CFast (optional)
- R - Removable SSD (optional)
- S - 1x USB 2.0



| AVAILABLE OPTIONS                                                   |                        | CONFIGURATION NUMBER |   |   |   |   |   |   |
|---------------------------------------------------------------------|------------------------|----------------------|---|---|---|---|---|---|
|                                                                     |                        | 1                    | 2 | 3 | 4 | 5 | 6 | 7 |
| WiFi Lan                                                            | Wi-Fi Lan <sup>1</sup> | ●                    |   |   |   |   |   |   |
| Notes                                                               |                        |                      |   |   |   |   |   |   |
| <sup>1</sup> 1mt Wi-Fi antenna cable extension available on request |                        |                      |   |   |   |   |   |   |

|                                                                                                                                                                             |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| FRONTAL PANEL OPTIONAL                                                                                                                                                      |                                                                                   |
| Frontal panel graphic customization area for logo <sup>1</sup>                                                                                                              |  |
| <sup>1</sup> To go on with the frontal panel customization, we need the vectorial logo and the logo spot on the panel.<br>Later we will send you a preview to be confirmed. |                                                                                   |

Unit : mm

