

# PSG215-FD



Fanless 15" Industrial Panel PC with Intel® N97



## FEATURES

- Intel® N97
- 15" 1024x768 LCD display
- Projected capacitive multi-touch control
- Flat frontal panel, IP66-compliant
- Dual 2.5 Gigabit Ethernet
- Triple display support
- Wide DC power range 12-36 VDC
- Wide AC power range 85-264 VAC



## SYSTEM

|             |                                    |
|-------------|------------------------------------|
| CPU         | Intel® N97, QC, 3.6 GHz            |
| CHIPSET     | Intel® Alder Lake                  |
| GRAPHICS    | Intel® UHD Graphics                |
| MEMORY TYPE | 1x DDR5 SO-DIMM 4800 MHz max 16 GB |
| AUDIO       | Realtek® ALC897                    |
| ETHERNET    | 2x Intel® I225V 2.5 GbE            |

## DISPLAY

|                |                                          |
|----------------|------------------------------------------|
| TFT TYPE       | 15" TFT LCD                              |
| MAX RESOLUTION | 1024x768                                 |
| LUMINANCE      | 500 cd/m <sup>2</sup>                    |
| CONTRAST RATIO | 1500 : 1                                 |
| VIEW ANGLE     | 85° / 85° / 85° / 85° (L/R/U/D)          |
| MAX COLORS     | 16.7 Millions                            |
| TOUCH TYPE     | Projected capacitive multi-touch control |

## STORAGE

|        |                   |
|--------|-------------------|
| DEVICE | 1x 2.5" SSD / HDD |
|--------|-------------------|

## EXTERNAL I/O

|                   |                                    |
|-------------------|------------------------------------|
| SERIAL PORTS      | 1x COM (RS-232/422/485)            |
|                   | 1x COM (RS-232/422/485) optional   |
|                   | 2x COM (RS-232) optional           |
| USB PORTS         | 2x USB 3.2, 2x USB 2.0             |
| AUDIO             | 1x Line-Out                        |
| VIDEO OUTPUT      | 2x HDMI (4096x2160)                |
| LAN               | 2x RJ45 Ethernet ports             |
| PS2               | N/A                                |
| SUPPLY CONNECTION | 24 VDC terminal block              |
|                   | 110-230 VAC standard VDE connector |

## EXPANSION SLOT

|           |                                               |
|-----------|-----------------------------------------------|
| MINI-PCIE | 1x full size with PCIe x1                     |
| M.2       | 1x Key E (2230), 1x Key M (2280) with PCIe x2 |

## 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      |
|                     | 110-230 VAC |
| INPUT VOLTAGE LIMIT | 12-36 VDC   |
|                     | 85-264 VAC  |
| POWER CONSUMPTION   | 50 W        |

## MECHANICAL

|                   |                                                  |
|-------------------|--------------------------------------------------|
| DIMENSION (WxHxD) | 390x315x95 mm (15.4x12.4x3.7 in)                 |
| WEIGHT            | 5.5 Kg                                           |
| FRONT PANEL       | Aluminum frontal frame with 3 mm temperate glass |
| 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                                 |

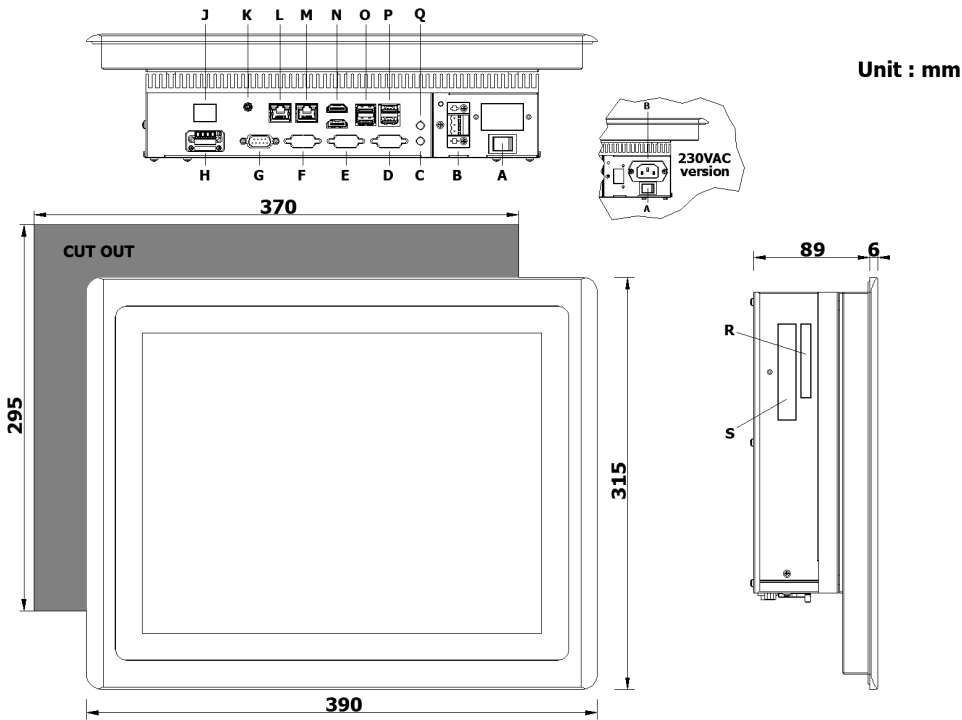
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### Dimensions - I/O View :

- A - Power switch
- B - Supply connector
- C - Wi-fi antenna (optional)
- D - RS-232 (COM 4 - optional)
- E - RS-232 (COM 3 - optional)
- F - RS-232/422/485 (COM 2 - optional)
- G - RS-232/422/485 (COM 1)
- H - Remote power On/Off Remote reset
- J - Gigabit LAN 3 (optional)
- K - Audio output
- L - 2.5 Gigabit LAN 2
- M - 2.5 Gigabit LAN 1
- N - 2x HDMI
- O - 2x USB 3.2
- P - 2x USB 2.0
- Q - Wi-fi antenna (optional)
- R - Removable CFast (optional)
- S - Removable SSD (optional)



| AVAILABLE OPTIONS                                                    |                                          | CONFIGURATION NUMBER |   |   |   |   |   |   |
|----------------------------------------------------------------------|------------------------------------------|----------------------|---|---|---|---|---|---|
|                                                                      |                                          | 1                    | 2 | 3 | 4 | 5 | 6 | 7 |
| WIFI Lan                                                             | Wi-Fi Lan <sup>1</sup>                   | ●                    |   | ● |   |   |   |   |
| LAN                                                                  | 1x RJ45 Gigabit Lan MiniPCI-Express card |                      | ● | ● |   |   |   |   |
| Notes                                                                |                                          |                      |   |   |   |   |   |   |
| <sup>1</sup> 1 mt Wi-Fi antenna cable extension available on request |                                          |                      |   |   |   |   |   |   |

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|                                                                                                                                                                             |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 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

