

# PVG122-FD



Fanless 21.5" Industrial VESA PC with Intel® N97



## FEATURES

- Intel® N97
- 21.5" 1920x1080 LCD display
- Projected capacitive multi-touch control
- IP30-compliant
- Dual 2.5 Gigabit Ethernet
- Triple display support
- Wide DC power range 9-36 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       | 21.5" TFT LCD                            |
| MAX RESOLUTION | 1920x1080                                |
| LUMINANCE      | 250 cd/m <sup>2</sup>                    |
| CONTRAST RATIO | 1000 : 1                                 |
| VIEW ANGLE     | 85° / 80° / 88° / 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)<br>1x COM ((RS-232/422/485) optional<br>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<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 | 9-36 VDC<br>85-264 VAC |
| POWER CONSUMPTION   | 45 W                   |

## MECHANICAL

|                   |                                                  |
|-------------------|--------------------------------------------------|
| DIMENSION (WxHxD) | 550x340x104 mm (21.7x13.4x4.1 in)                |
| WEIGHT            | 10 Kg                                            |
| FRONT PANEL       | Aluminum frontal frame with 3 mm temperate glass |
| CHASSIS           | Black painted steel                              |
| MOUNTING TYPE     | VESA mount 100                                   |

## 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) |
| PROTECTION GRADE      | IP30                               |
| EMC                   | CE                                 |
| SAFETY                | CE                                 |

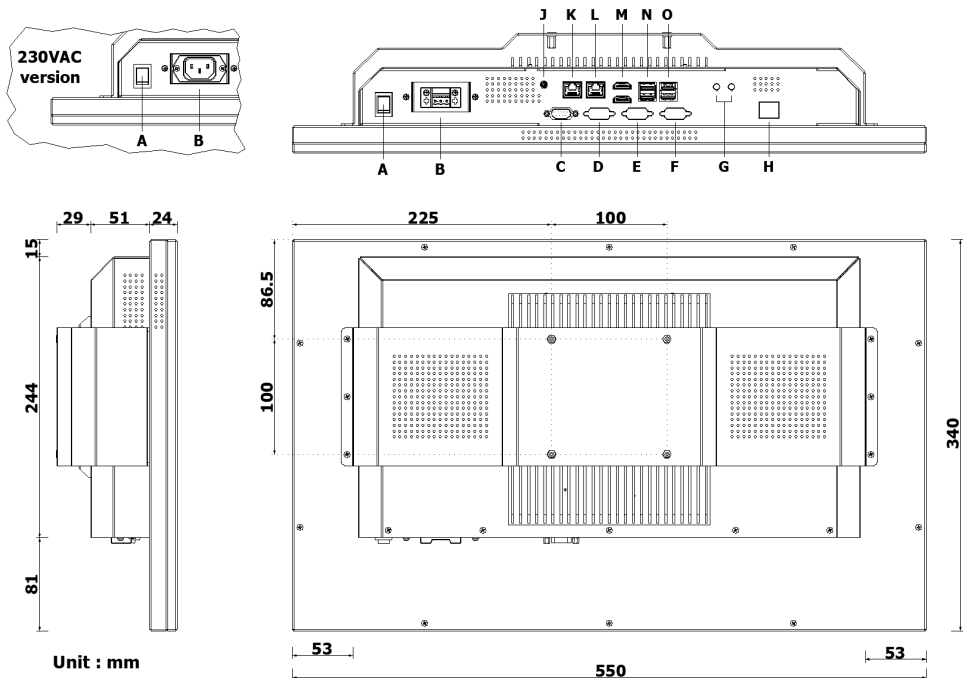
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Dimensions - I/O View :

- A - Power switch
- B - Supply connector
- C - RS-232/422/485 (COM 1)
- D - RS-232/422/485 (COM 2 - optional)
- E - RS-232 (COM 3 - optional)
- F - RS-232 (COM 4 - optional)
- G - Wi-fi antenna (optional)
- H - Gigabit LAN 3 (optional)
- J - Line-out
- K - Gigabit LAN 2
- L - Gigabit LAN 1
- M - 2x HDMI
- N - 2x USB 3.2
- O - 2x USB 2.0



| 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

