

# PAC216-FD



Fanless 15.6" Industrial ARM-PC with Intel® N150 / Intel® N97



## FEATURES

- Intel® N150 / Intel® N97
- 15.6" 1366x768 / 1920x1080 LCD display
- Three kinds of mounting : VESA, ARM, STAND
- Landscape orientation
- Full IP65 protection grade
- PC set up for max 10 keys Ø 22 on the frontal panel
- Customizable frontal panel
- Wide DC power range 12-36 VDC



## SYSTEM

|             |                                                                 |
|-------------|-----------------------------------------------------------------|
| CPU         | Intel® N150, QC, 3.6 GHz<br>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® I226V 2.5 GbE (N150)<br>2x Intel® I225V 2.5 GbE (N97) |

## DISPLAY

|                |                                                |
|----------------|------------------------------------------------|
| TFT TYPE       | 15.6" TFT LCD                                  |
| MAX RESOLUTION | 1366x768 or 1920x1080                          |
| LUMINANCE      | 300 cd/m <sup>2</sup> or 500 cd/m <sup>2</sup> |
| CONTRAST RATIO | 500 : 1 or 1000:1                              |
| VIEW ANGLE     | 80°/ 80°/80°/ 80° or 89°/89°/89°/89° (L/R/U/D) |
| MAX COLORS     | 16.7 Millions                                  |
| TOUCH TYPE     | Projected capacitive multi-touch control       |

## STORAGE

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

## EXTERNAL I/O

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| SERIAL PORTS      | 1x COM (RS-232/422/485)<br>1x COM (RS-232/422/485) 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                                       |

## 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 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    |
| INPUT VOLTAGE LIMIT | 12-36 VDC |
| POWER CONSUMPTION   | 50 W      |

## MECHANICAL

|                   |                                                  |
|-------------------|--------------------------------------------------|
| DIMENSION (WxHxD) | 403x351x74 mm (15.9x13.8x2.9 in)                 |
| WEIGHT            | 7 Kg                                             |
| FRONT PANEL       | Aluminum frontal frame with 2 mm temperate glass |
| CHASSIS           | Painted steel                                    |
| MOUNTING TYPE     | VESA 100 (four M5 holes)                         |

## ENVIRONMENT

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| OPERATING TEMPERATURE  | 0 ~ 50 °C (32 ~ 122 °F)<br>0 ~ 45 °C (32 ~ 113 °F) only for i7 |
| STORAGE TEMPERATURE    | -20 ~ 60 °C (-4 ~ 140 °F)                                      |
| OPERATING HUMIDITY     | 10 ~ 95 % @ 40°C (non-condensing)                              |
| FRONT PANEL PROTECTION | Full IP65                                                      |
| EMC                    | CE                                                             |
| SAFETY                 | CE                                                             |

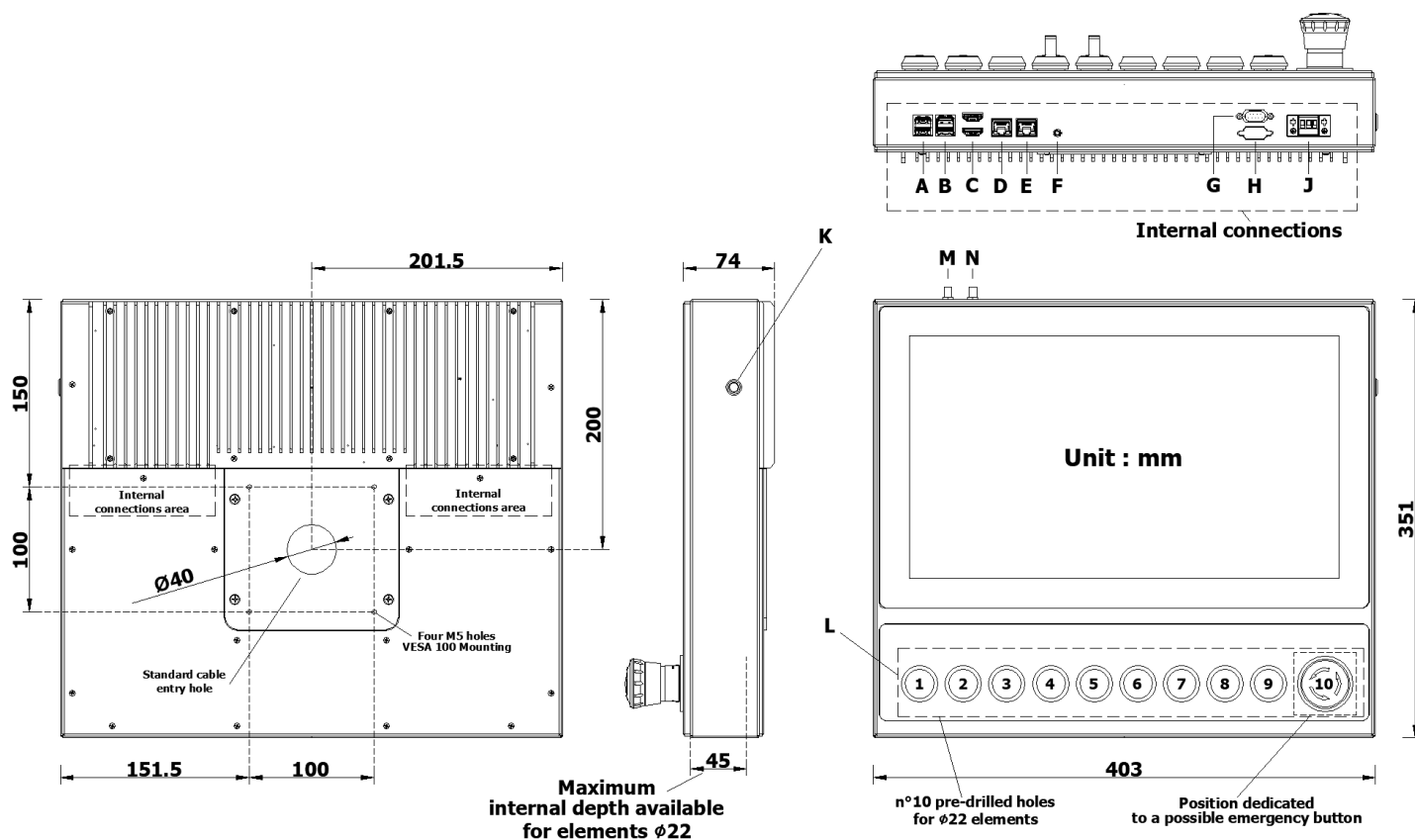
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## Dimensions - I/O View :

- A - 2x USB 2.0
- B - 2x USB 3.2
- C - 2x HDMI
- D - Gigabit LAN 1
- E - Gigabit LAN 2
- F - Audio output
- G - RS-232/422/485 (COM 1)
- H - RS-232/422/485 (COM 2 - optional)
- J - Supply connector
- K - Power button
- L - Elements Ø 22 (optional)
- M - Wi-fi antenna (optional)
- N - Wi-fi antenna (optional)

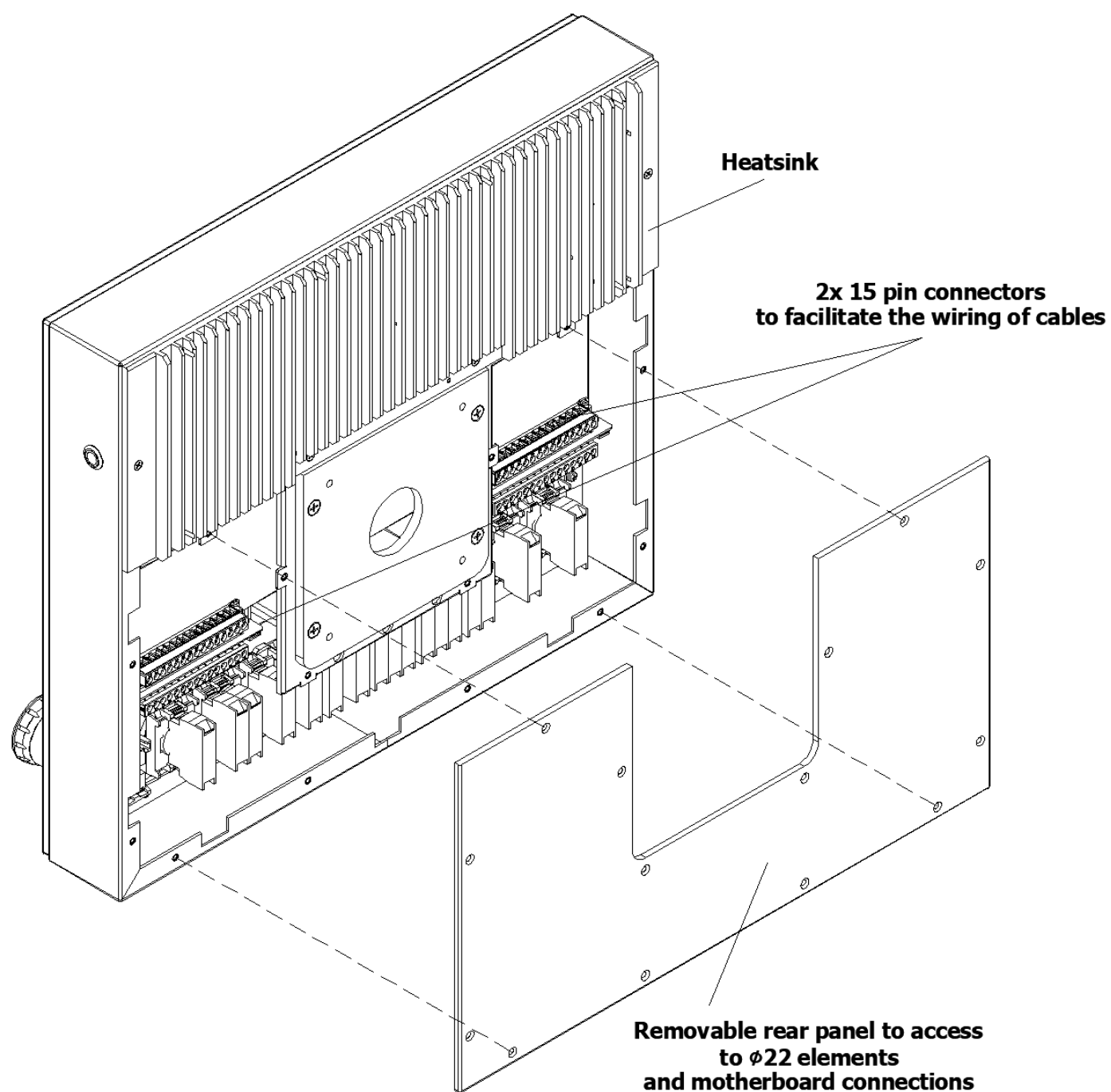


| AVAILABLE OPTIONS                                                                      |                                                                           | CONFIGURATION NUMBER |   |   |   |   |   |   |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------|---|---|---|---|---|---|
|                                                                                        |                                                                           | 1                    | 2 | 3 | 4 | 5 | 6 | 7 |
| WiFi Lan                                                                               | Wi-Fi Lan <sup>1</sup>                                                    | ●                    |   | ● |   |   |   |   |
| Serial Ports                                                                           | 2x optoisolated serial ports RS-422/485 MiniPCI-Express card <sup>2</sup> |                      | ● | ● |   |   |   |   |
| Notes                                                                                  |                                                                           |                      |   |   |   |   |   |   |
| <sup>1</sup> 1m Wi-Fi antenna cable extension available on request                     |                                                                           |                      |   |   |   |   |   |   |
| <sup>2</sup> Serial ports will be set on the "G-H" position instead of RS232 COM1-COM2 |                                                                           |                      |   |   |   |   |   |   |

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Rear View :



## 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.  
Later we will send you a preview to be confirmed.

