

PAC222-FD



Fanless 21.5" Industrial ARM-PC with Intel® N97



FEATURES

- Intel® N97
- 21.5" 1920x1080 LCD display
- Three kinds of mounting : VESA, ARM, STAND
- Landscape orientation
- Full IP65 protection grade
- PC set up for max 12 keys Ø 22 on the frontal panel
- Customizable frontal panel
- Wide DC power range 12-36 VDC



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 ²
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
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EXTERNAL I/O

SERIAL PORTS	1x COM (RS-232/422/485) 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 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 20.04.1 LTS or newer and further distros

POWER SYSTEM

RATED INPUT VOLTAGE	24 VDC
INPUT VOLTAGE LIMIT	12-36 VDC
POWER CONSUMPTION	45 W

MECHANICAL

DIMENSION (WxHxD)	554x424x74 mm (21.8x16.7x2.9 in)
WEIGHT	11.5 Kg
FRONT PANEL	Aluminum frontal frame with 3 mm temperate glass
CHASSIS	Painted steel
MOUNTING TYPE	VESA 100 (four M5 holes)

ENVIRONMENT

OPERATING TEMPERATURE	0 ~ 50 °C (32 ~ 122 °F) 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)

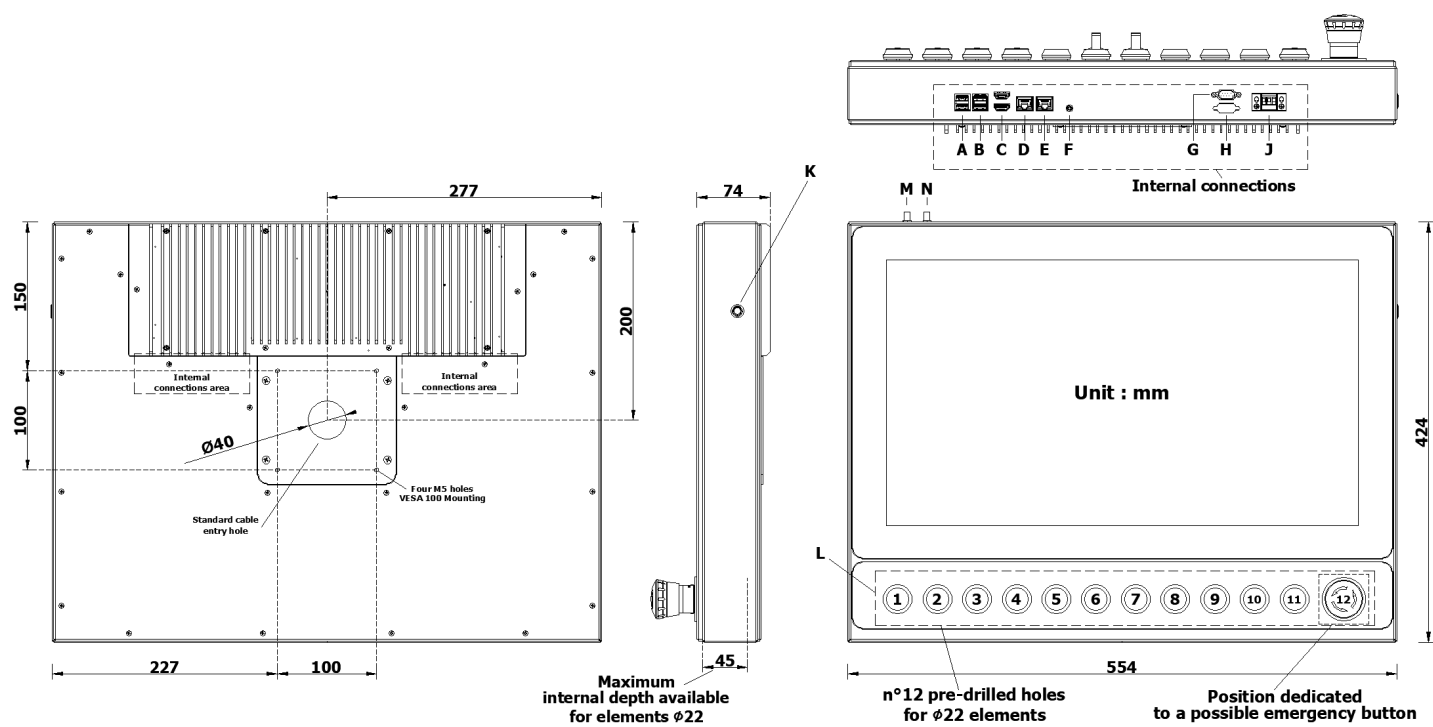
J - Supply connector

K - Power button

L - Elements Ø 22 (optional)

M - Wi-fi antenna (optional)

N - Wi-fi antenna (optional)

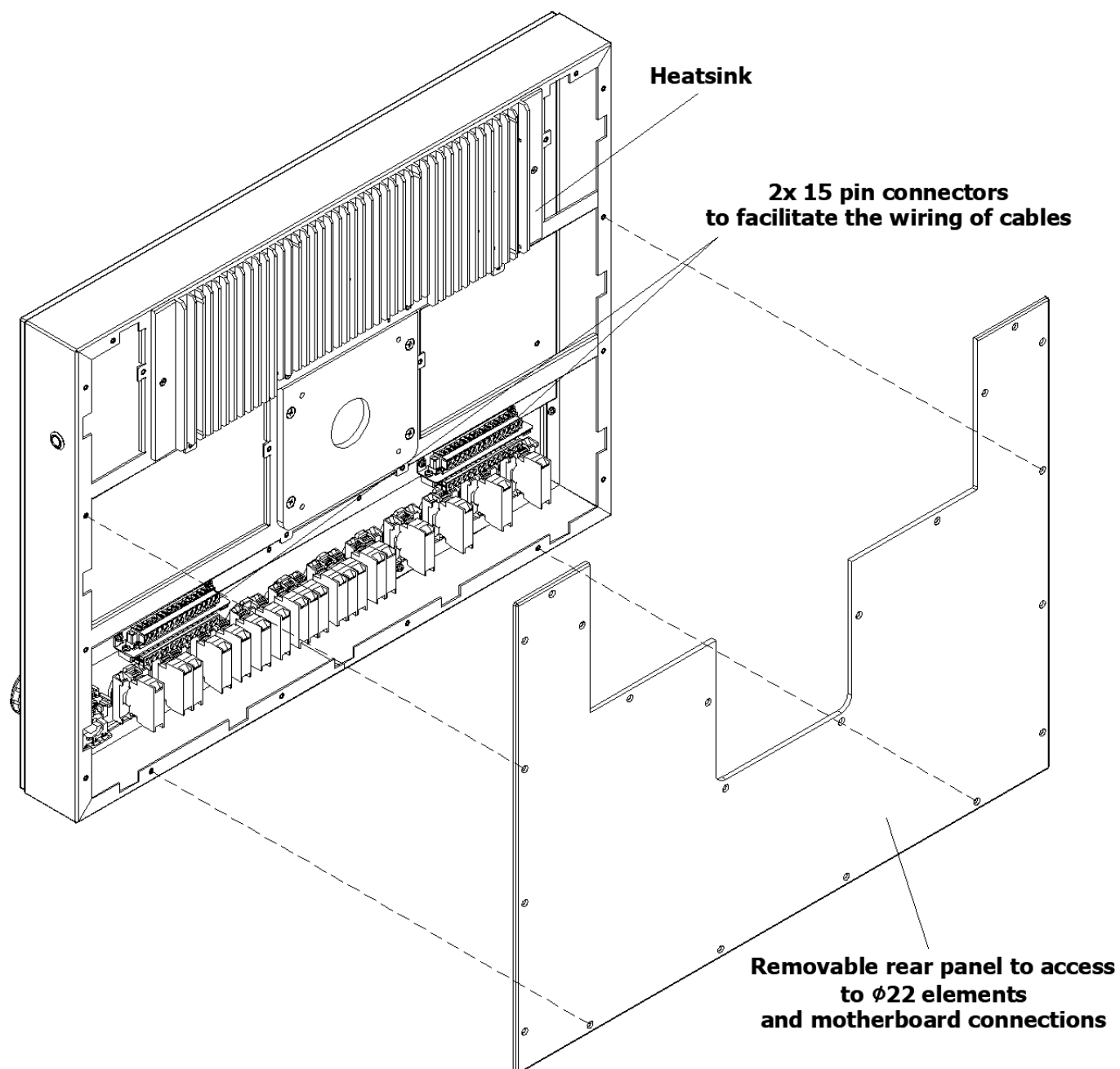


AVAILABLE OPTIONS		CONFIGURATION NUMBER						
		1	2	3	4	5	6	7
WiFi Lan	Wi-Fi Lan ¹	●		●				
Serial Ports	2x optoisolated serial ports RS-422/485 MiniPCI-Express card ²		●	●				
Notes								
¹ 1 mt Wi-Fi antenna cable extension available on request								
² Serial ports will be set on the "G-H" position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

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Rear View :



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FRONTAL PANEL OPTIONAL	
Frontal panel graphic customization area for logo ¹	
¹ 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.	

