

PVG218-FD



Fanless 18.5" Industrial VESA PC with Intel® N97



FEATURES

- Intel® N97
- 18.5" 1366x768 / 1920x1080 LCD display
- Projected capacitive multi-touch control
- IP30-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	18.5" TFT LCD
MAX RESOLUTION	1366x768 or 1920x1080
LUMINANCE	300 cd/m ² or 350 cd/m ²
CONTRAST RATIO	1000 : 1
VIEW ANGLE	85° / 85° / 85° / 85° 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
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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 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	48 W

MECHANICAL

DIMENSION (WxHxD)	487x308x90 mm (19.2x12.1x3.5 in)
WEIGHT	7.2 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

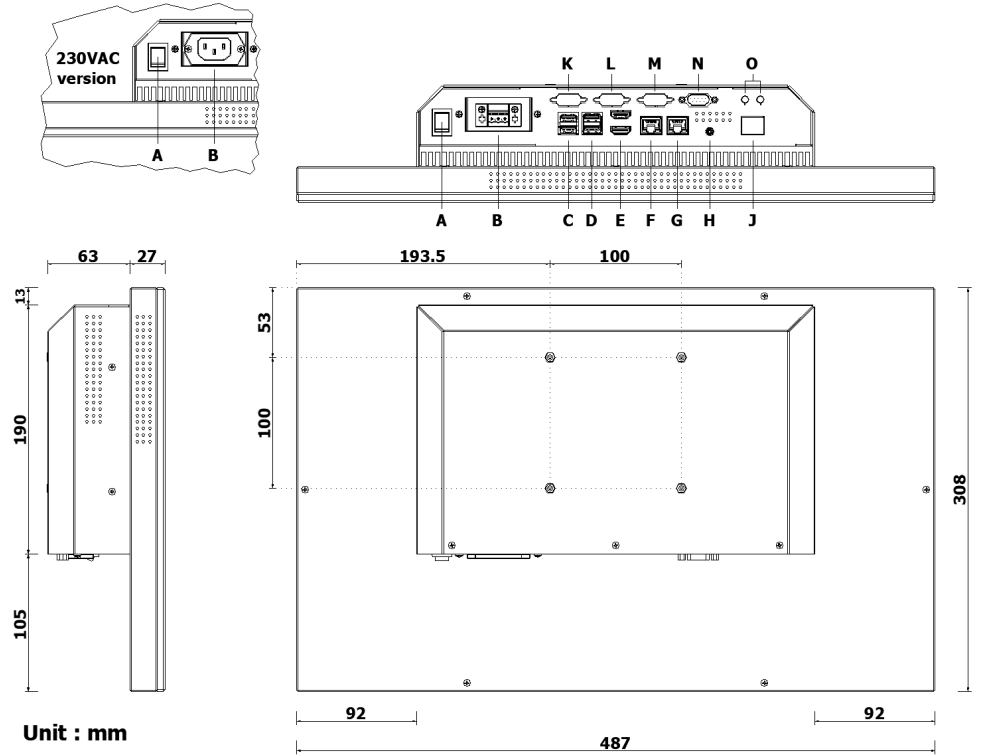
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Dimensions - I/O View :

- A - Power switch
- B - Supply connector
- C - 2x USB 2.0
- D - 2x USB 3.2
- E - 2x HDMI
- F - 2.5 Gigabit LAN 1
- G - 2.5 Gigabit LAN 2
- H - Audio output
- J - Gigabit LAN 3 (optional)
- K - RS-232 (COM 4 - optional)
- L - RS-232 (COM 3 - optional)
- M - RS-232/422/485 (COM 2 - optional)
- N - RS-232/422/485 (COM 1)
- O - Wi-fi antenna (optional)



Unit : mm

AVAILABLE OPTIONS		CONFIGURATION NUMBER						
		1	2	3	4	5	6	7
WiFi Lan	Wi-Fi Lan ¹	●			●	●		●
LAN	1x RJ45 Gigabit Lan MiniPCI-Express card		●		●		●	●
Serial Ports	1x serial ports RS 232/422/485 and 2 RS 232(DB9)			●		●	●	●
Notes								
¹ 1 mt Wi-Fi antenna cable extension available on request								

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FRONTAL PANEL OPTIONAL

Frontal panel graphic customization area for logo¹

¹To 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.

