

PVG118-EM



Fanless 18.5" Industrial VESA PC with Intel® N3350 / Intel® N4200



FEATURES

- Intel® N3350 / Intel® N4200
- 18.5" 1366x768 / 1920x1080 LCD display
- Projected capacitive multi-touch control
- IP30-compliant
- Dual Gigabit Ethernet
- Triple display support
- Wide DC power range 9-36 VDC, I/O isolation 4000 VDC
- Wide AC power range 85-264 VAC



SYSTEM

CPU	Intel® Celeron® N3350, DC, 1.1 GHz Intel® Pentium® N4200, QC, 1.1 GHz
CHIPSET	Intel® Apollo Lake
GRAPHICS	Intel® Gen9 Graphics DX 12
MEMORY TYPE	2x DDR3L SO-DIMM 1866 Mhz up to 16 GB
AUDIO	High Definition Audio
ETHERNET	2x Realtek 8111G 10/100/1000 Mbps

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° / 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 / HDD - 1x M.2 SATA (2242/2260)
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EXTERNAL I/O

SERIAL PORTS	3x COM (RS-232/422/485)
USB PORTS	4x USB 3.0
AUDIO	1x Line-out, 1x Mic-in
VIDEO OUTPUT	1x VGA (1920x1080), 1x HDMI (4096x2160)
LAN	2x RJ45 Ethernet ports
PS2	2x PS/2 (mouse and keyboard)
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 KeyE (2230) with PCIe x1

OS SUPPORT

MICROSOFT®	Windows 10 Enterprise LTSC 2016 (64 bit)
MICROSOFT®	Windows 10 Enterprise LTSC 2019 (64 bit)
MICROSOFT®	Windows 10 Enterprise LTSC 2021 (64 bit)
MICROSOFT®	Windows 10 PRO (64 bit)
LINUX	Ubuntu 20.04.1 LTS or newer and further distros

POWER SYSTEM

RATED INPUT VOLTAGE	24 VDC I/O isolation 4000 VDC 110-230 VAC
INPUT VOLTAGE LIMIT	9-36 VDC 85-264 VAC
POWER CONSUMPTION	35 W

MECHANICAL

DIMENSION (WxHxD)	487x308x67 mm (19.2x12.1x2.6 in)
WEIGHT	7 Kg
FRONT PANEL	Aluminum frontal frame with 3 mm temperate glass
CHASSIS	Black painted steel
MOUNTING TYPE	VESA mount 100

ENVIRONMENT

OPERATING TEMPERATURE	0 ~ 45 °C (32 ~ 113 °F)
STORAGE TEMPERATURE	-20 ~ 60 °C (-4 ~ 140 °F)
OPERATING HUMIDITY	10 ~ 95 % @ 40°C (non-condensing)
PROTECTION GRADE	IP30
EMC	CE
SAFETY	CE

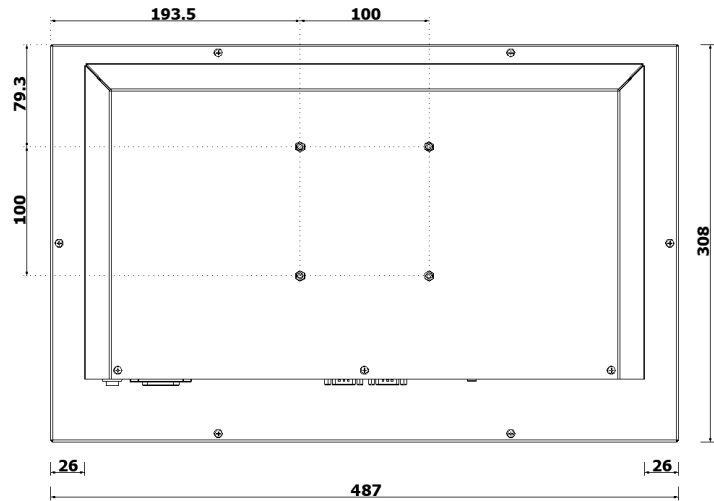
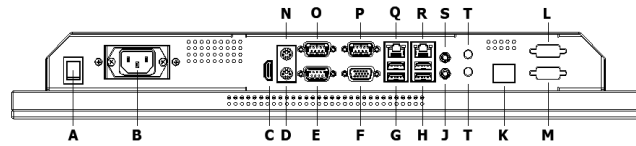
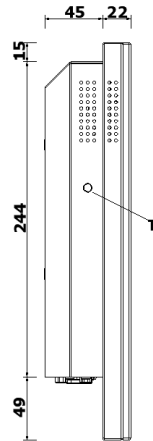
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Dimensions - I/O View :

- A - Power switch
- B - Supply connector
- C - HDMI
- D - PS/2 keyboard port
- E - RS-232/422/485 (COM 2)
- F - VGA
- G - 2x USB 3.0
- H - 2x USB 3.0
- J - Mic In
- K - Gigabit LAN 3 (optional)
- L - RS-422/485 (optional)
- M - RS-422/485 (optional)
- N - PS/2 mouse port
- O - RS-232/422/485 (COM 1)
- P - RS-232/422/485 (COM 3)
- Q - Gigabit LAN 1
- R - Gigabit LAN 2
- S - Line Out
- T - 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	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 port will be set on the "L-M" position								

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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.

Unit : mm

