

PSR108-FD



Fanless 8" Industrial Panel PC with Intel® N150 / Intel® N97



FEATURES

- Intel® N150 / Intel® N97
- 8" 800x600 LCD display
- Resistive touch
- Front panel, IP66-compliant
- Dual 2.5 Gigabit Ethernet
- Triple display support
- Wide DC power range 9-36 VDC



SYSTEM

CPU	Intel® N150, QC, 3.6 GHz 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) 2x Intel® I225V 2.5 GbE (N97)

DISPLAY

TFT TYPE	8" TFT LCD
MAX RESOLUTION	800x600
LUMINANCE	250 cd/m ²
CONTRAST RATIO	500 : 1
VIEW ANGLE	70° / 70° / 50° / 70° (L/R/U/D)
MAX COLORS	262.000
TOUCH TYPE	Five wire resistive

STORAGE

DEVICE	1x M.2 SSD PCIe
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EXTERNAL I/O

SERIAL PORTS	1x COM (RS-232/422/485)
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	9-36 VDC
POWER CONSUMPTION	35 W

MECHANICAL

DIMENSION (WxHxD)	240x200x69 mm (9.5x7.9x2.7 in)
WEIGHT	3.5 Kg
FRONT PANEL	Anodized aluminum
CHASSIS	SECC steel (galvanized)
MOUNTING TYPE	Panel mounting with retaining clips

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)
FRONT PANEL PROTECTION	IP66
EMC	CE
SAFETY	CE

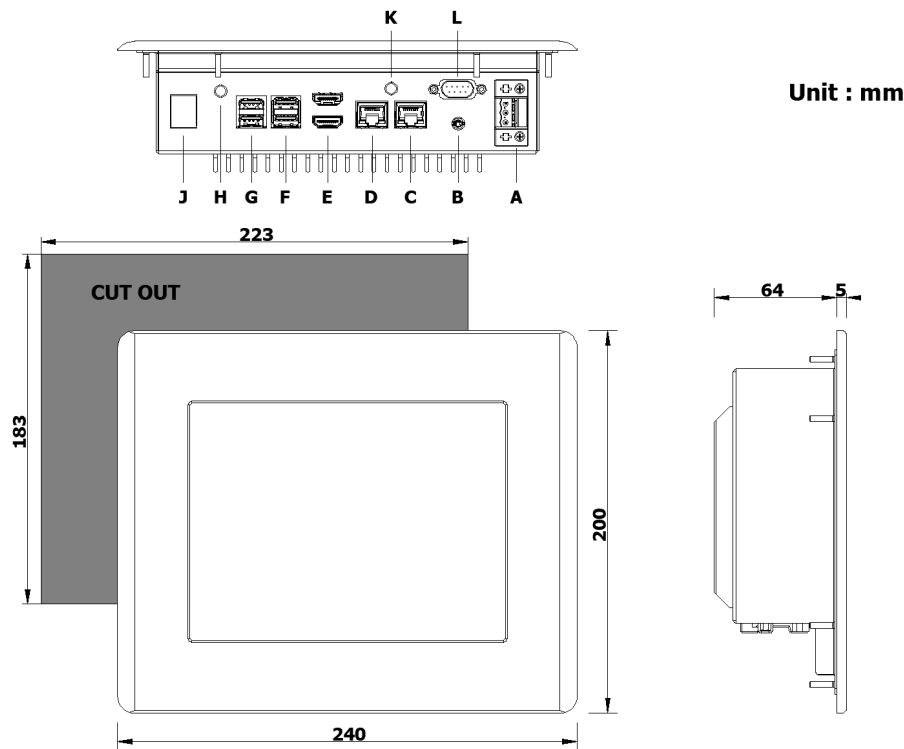
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Dimensions - I/O View :

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



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		●	●				
Notes								
¹ 1 mt Wi-Fi antenna cable extension available on request								

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.	

Unit : mm

