PSR112-FD

Fanless 12.1" Industrial Panel PC with Intel® N97

FEATURES

- Intel® N97
- 12.1" 800x600 / 1024x768 LCD display
- Resistive touch
- Front panel, IP66-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	12.1" TFT LCD
MAX RESOLUTION	800x600 or 1024x768
LUMINANCE	450 cd/m^2 or 500 cd/m^2
CONTRAST RATIO	700 : 1
VIEW ANGLE	80°/ 80°/ 65°/ 75° or 80°/ 80°/80°/ 80° (L/R/U/D)
MAX COLORS	16.7 Millions
TOUCH TYPE	Five wire resistive

STORAGE	
DEVICE	1x 2.5" SSD / HDD

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, 1x USB 2.0 on front panel
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 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 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	35 W

MECHANICAL	
DIMENSION (WxHxD)	335x270x95 mm (13.2x10.6x3.7 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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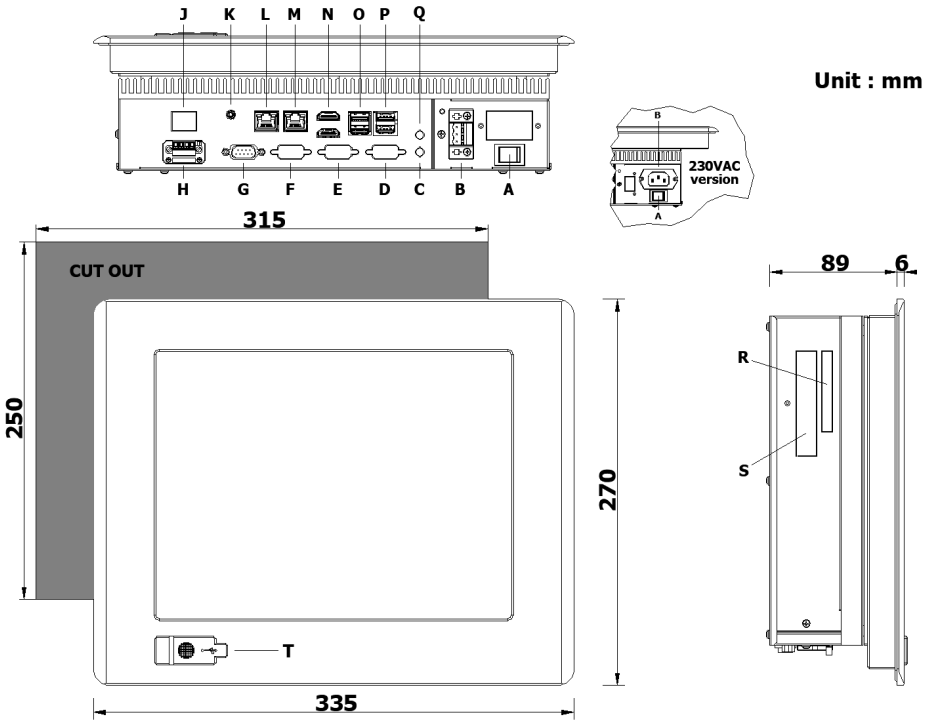
Dimensions - I/O View :

- **A** - Power switch
- **B** - Supply connector
- **C** - Wi-fi antenna (optional)
- **D** - RS-232 (COM 4 - optional)
- **E** - RS-232 (COM 3 - optional)
- **F** - RS-232/422/485 (COM 2 - optional)
- **G** - RS-232/422/485 (COM 1)
- **H** - Remote power On/Off Remote reset
- **J** - Gigabit LAN 3 (optional)
- **K** - Audio output
- **L** - 2.5 Gigabit LAN 2
- **M** - 2.5 Gigabit LAN 1
- **N** - 2x HDMI
- **O** - 2x USB 3.2
- **P** - 2x USB 2.0
- **Q** - Wi-fi antenna (optional)
- **R** - Removable CFast (optional)
- **S** - Removable SSD (optional)
- **T** - 1x USB 2.0



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								

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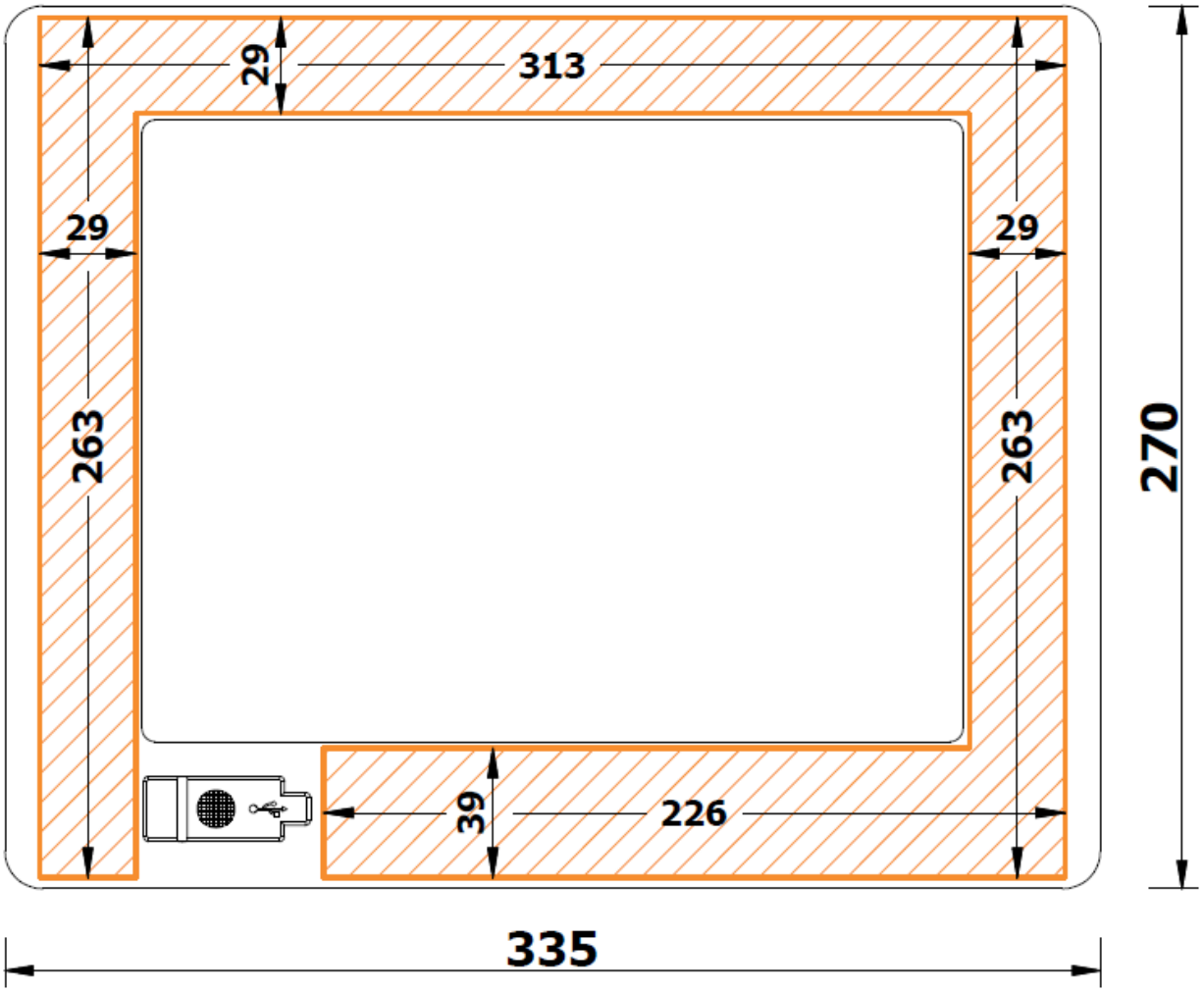
FRONTAL PANEL OPTIONAL
Frontal panel graphic customization area for logo[1]
[1] To go on with the frontal panel customization, we need the vectorial logo and the logo spot on the panel. Later we will send you a preview to be confirmed.

Unit : mm