



FEATURES

- Intel® N3350 / Intel® N4200
- 21.5" 1920x1080 LCD display
- Three kinds of mounting : VESA, ARM, STAND
- Landscape or portrait orientation
- Full IP65 protection grade
- PC set up for max 7 keys Ø 22 on the frontal panel
- Customizable frontal panel
- Wide DC power range 9-36 VDC, I/O isolation 2500 VDC



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

SERIAL PORTS	3x COM (RS-232/422/485), 1x COM (RS-232)
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

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 PRO (64 bit)
LINUX	Ubuntu 20.04.1 LTS or newer and further distros

POWER SYSTEM

RATED INPUT VOLTAGE	24 VDC I/O isolation 2500 VDC
INPUT VOLTAGE LIMIT	9-36 VDC
POWER CONSUMPTION	35 W

MECHANICAL

DIMENSION (WxHxD)	650x367x96 mm (25.6x14.4x3.8 in)
WEIGHT	14 Kg
FRONT PANEL	Aluminum frontal frame with 3 mm temperate glass
CHASSIS	Painted steel
MOUNTING TYPE	VESA 100 (four M5 holes)

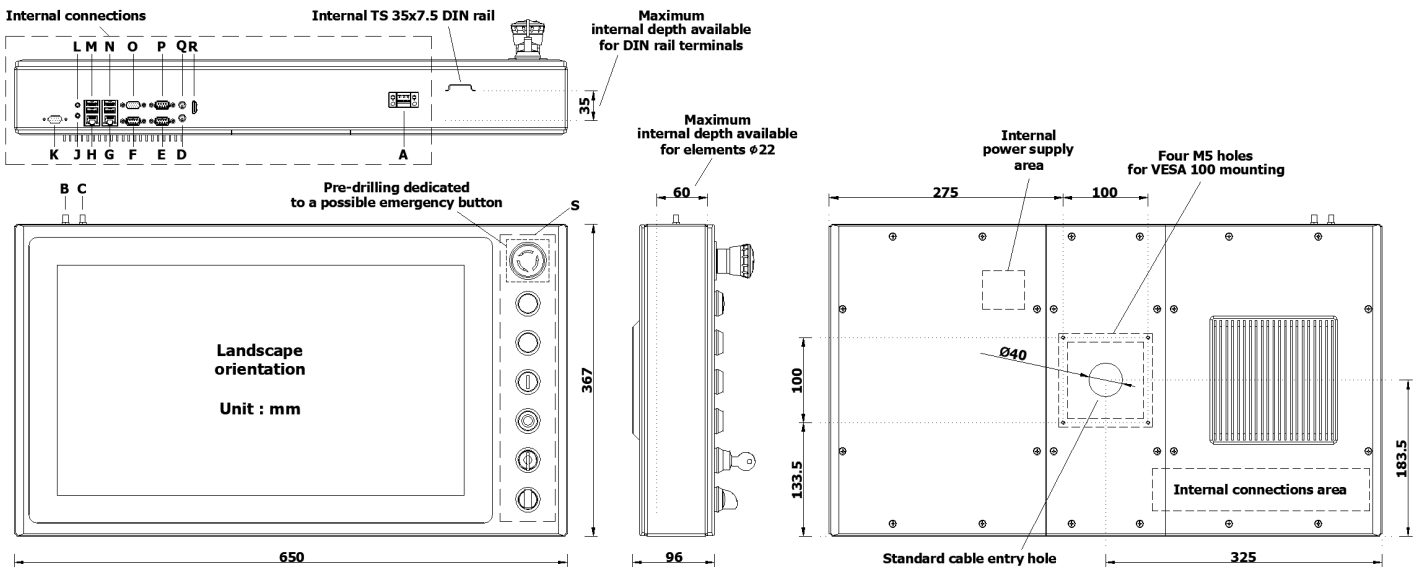
ENVIRONMENT

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

Fanless 21.5" Industrial ARM-PC with Intel® N3350 / Intel® N4200

Dimensions - I/O View :

- A - Supply connector
- B - Wi-fi antenna (optional)
- C - Wi-fi antenna (optional)
- D - PS/2 mouse port
- E - RS-232/422/485 (COM 1)
- F - RS-232/422/485 (COM 3)
- G - Gigabit LAN 1
- H - Gigabit LAN 2
- J - Audio output
- K - RS-232 (COM 4)
- L - Mic-in
- M - 2x USB 3.0
- N - 2x USB 3.0
- O - VGA
- P - RS-232/422/485 (COM 2)
- Q - PS/2 keyboard port
- R - HDMI
- S - Elements Ø 22 (optional)

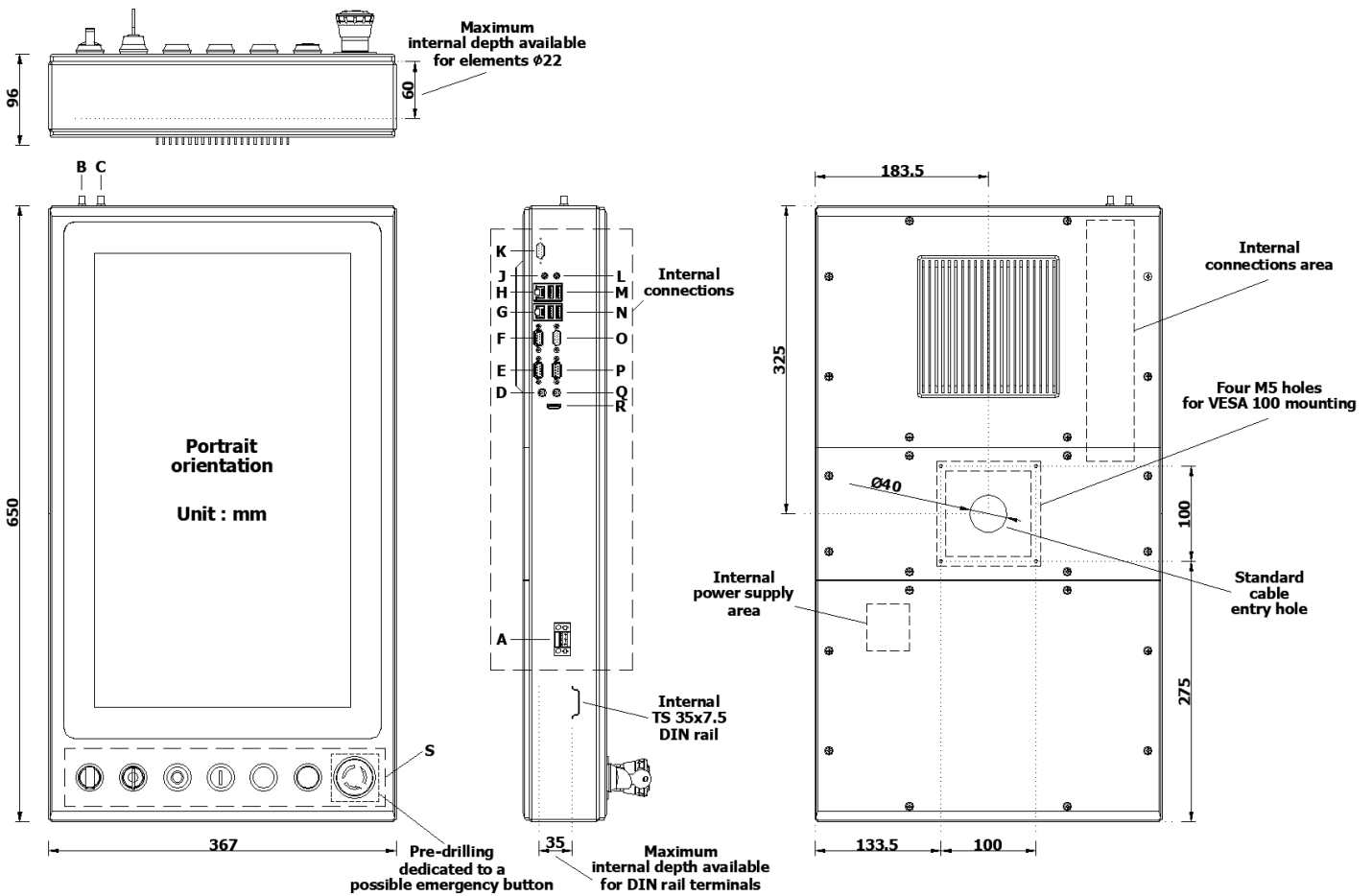


AVAILABLE OPTIONS		CONFIGURATION NUMBER						
		1	2	3	4	5	6	7
WiFi Lan	Wi-Fi Lan ¹	●		●				
Serial Ports	1x optoisolated serial ports RS-422/485 MiniPCI-Express card ²		●	●				
Notes								
¹ 1 mt Wi-Fi antenna cable extension available on request								
² Serial port will be set on the "K" position instead of RS232 COM4								

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PAC122-EM

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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.

