



### FEATURES

- Intel® Core™ i3-7100T / i5-7500T / i7-7700T
- 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 9-29 VDC



### SYSTEM

CPU	Intel® Core™ i3-7100T Intel® Core™ i5-7500T Intel® Core™ i7-7700T
CHIPSET	Intel® Kaby Lake
GRAPHICS	Intel® Gen9 Graphics DX 11/12
MEMORY TYPE	2x DDR4 SO-DIMM 2133 MHz max 32 GB
AUDIO	High Definition Audio
ETHERNET	1x 10/100/1000 Mbps Intel® I210 1x 10/100/1000 Mbps Intel® I219LM

### DISPLAY

TFT TYPE	21.5" TFT LCD
MAX RESOLUTION	1920x1080
LUMINANCE	250 cd/m <sup>2</sup>
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	2x 2.5" SSD / HDD (RAID 0/1 option available)
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### EXTERNAL I/O

SERIAL PORTS	2x COM (RS-232/422/485), 2x COM (RS-232)
USB PORTS	4x USB 3.0, 1x USB 2.0
AUDIO	1x Line-Out, 1x Mic In
VIDEO OUTPUT	3x HDMI (4096x2160)
LAN	2x RJ45 Ethernet ports
PS2	N/A
SUPPLY CONNECTION	24 VDC terminal block

### EXPANSION SLOT

MINI-PCIE	1x half size with PCIe x1
mSATA/Mini-PCie	1x full size shared with mSATA (SATA3)

### OS SUPPORT

MICROSOFT®	Windows 10 Enterprise LTSB 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
INPUT VOLTAGE LIMIT	9-29 VDC
POWER CONSUMPTION	70 W

### MECHANICAL

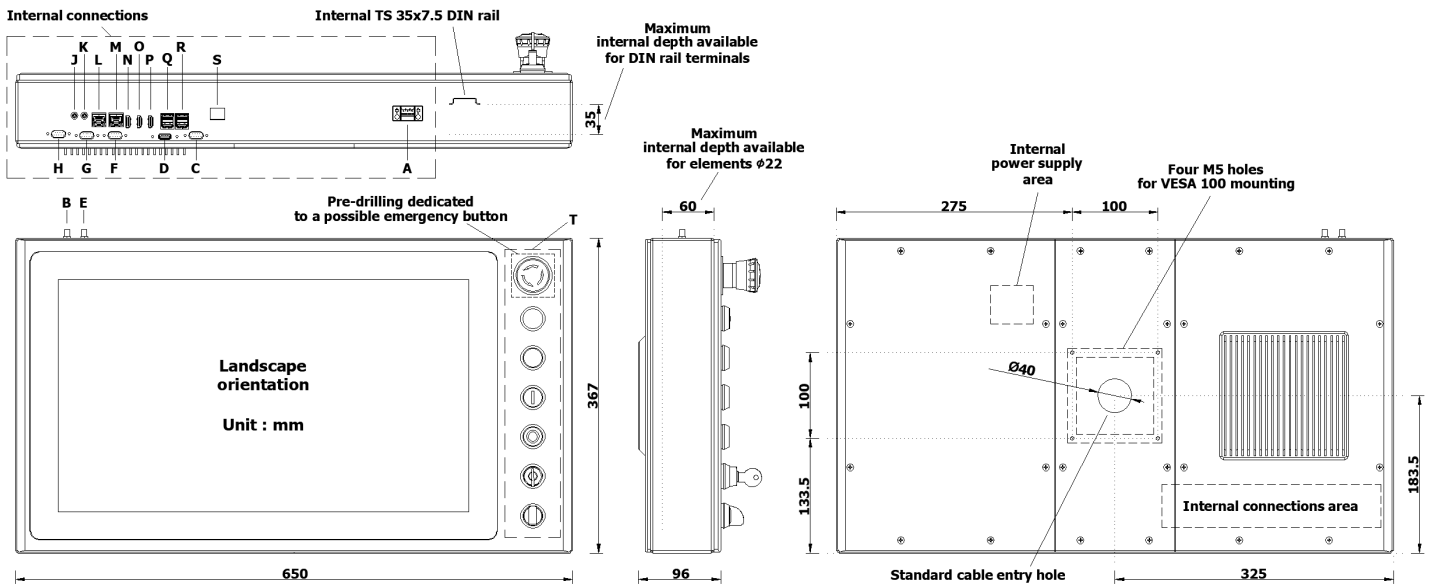
DIMENSION (WxHxD)	650x367x96 mm (25.6x14.4x3.8 in)
WEIGHT	15 Kg
FRONT PANEL	Aluminum frontal frame with 3 mm temperate glass
CHASSIS	Painted steel
MOUNTING TYPE	VESA 100 (four M5 holes)

### ENVIRONMENT

OPERATING TEMPERATURE	0 ~ 50 °C (32 ~ 122 °F) 0 ~ 45 °C (32 ~ 113 °F) only for i7
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

### Dimensions - I/O View :

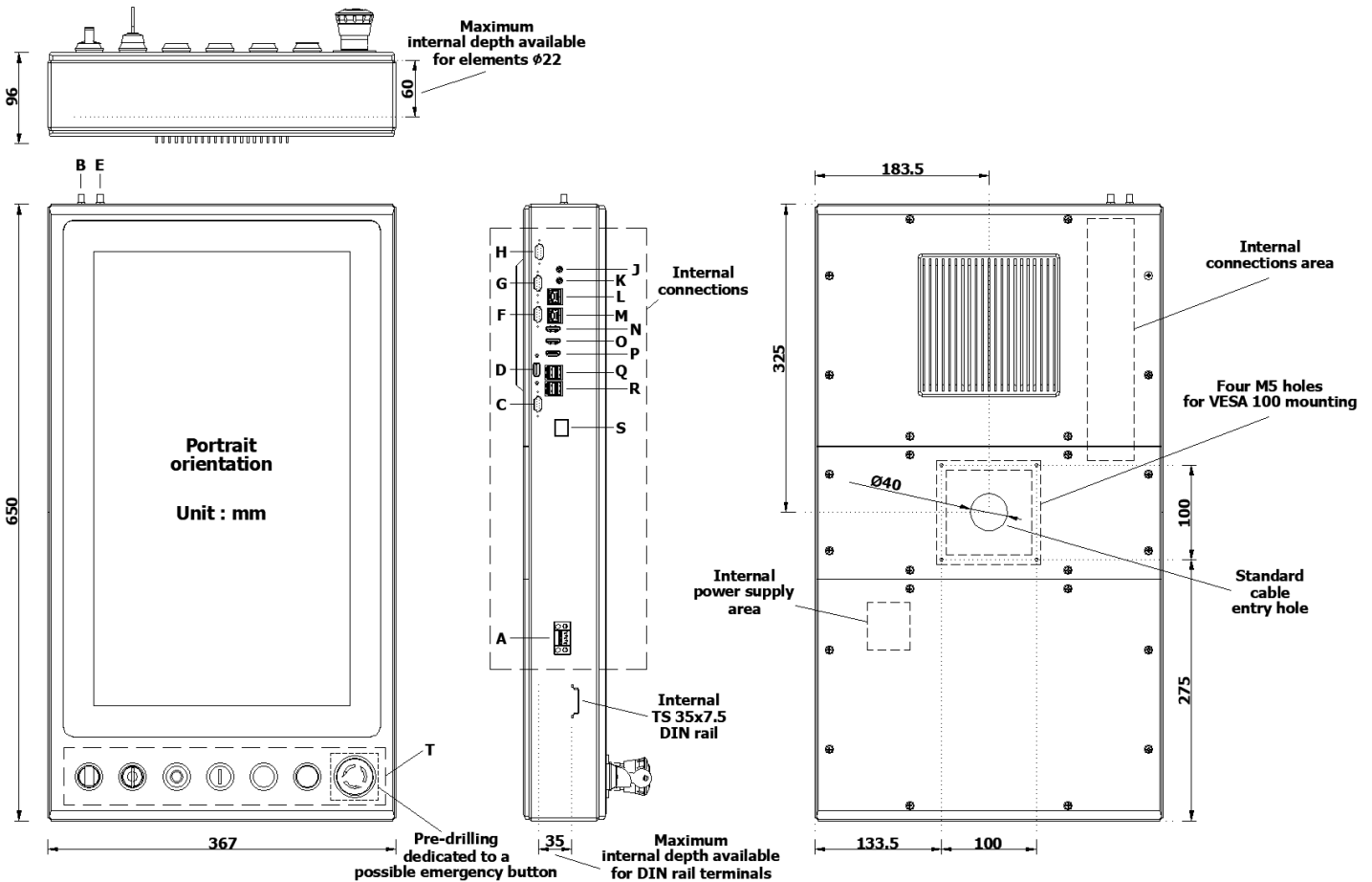
- |                                     |                           |                                     |
|-------------------------------------|---------------------------|-------------------------------------|
| <b>A</b> - Supply connector         | <b>H</b> - RS-232 (COM 4) | <b>P</b> - HDMI 1                   |
| <b>B</b> - Wi-fi antenna (optional) | <b>J</b> - Audio output   | <b>Q</b> - 2x USB 3.0               |
| <b>C</b> - RS-232/422/485 (COM 1)   | <b>K</b> - Mic-in         | <b>R</b> - 2x USB 3.0               |
| <b>D</b> - 1x USB 2.0               | <b>L</b> - Gigabit LAN 2  | <b>S</b> - Gigabit LAN 3 (optional) |
| <b>E</b> - Wi-fi antenna (optional) | <b>M</b> - Gigabit LAN 1  | <b>T</b> - Elements Ø22 (optional)  |
| <b>F</b> - RS-232/422/485 (COM 2)   | <b>N</b> - HDMI 3         |                                     |
| <b>G</b> - RS-232 (COM 3)           | <b>O</b> - HDMI 2         |                                     |



AVAILABLE OPTIONS		CONFIGURATION NUMBER						
		1	2	3	4	5	6	7
<b>WiFi Lan</b>	Wi-Fi Lan <sup>1</sup>	●			●	●		
<b>LAN</b>	1x RJ45 Gigabit Lan MiniPCI-Express card		●		●			
<b>Serial Ports</b>	2x optoisolated serial ports RS-422/485 MiniPCI-Express card <sup>2</sup>			●		●		
Notes								
<sup>1</sup> 1 mt Wi-Fi antenna cable extension available on request								
<sup>2</sup> Serial ports will be set on the "F-G" position instead of RS232 COM3-COM4								

### Dimensions - I/O View :

- A - Supply connector
- B - Wi-fi antenna (optional)
- C - RS-232/422/485 (COM 1)
- D - 1x USB 2.0
- E - Wi-fi antenna (optional)
- F - RS-232/422/485 (COM 2)
- G - RS-232 (COM 3)
- H - RS-232 (COM 4)
- J - Audio output
- K - Mic-in
- L - Gigabit LAN 2
- M - Gigabit LAN 1
- N - HDMI 3
- O - HDMI 2
- P - HDMI 1
- Q - 2x USB 3.0
- R - 2x USB 3.0
- S - Gigabit LAN 3 (optional)
- T - Elements Ø22 (optional)



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## FRONTAL PANEL OPTIONAL

Frontal panel graphic customization area for logo<sup>1</sup>

<sup>1</sup>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.

