



MIL3-121-i5

Made in ITALY

- 12.1" Industrial Panel PC (4:3)
- Intel Alder Lake i5 1235U
- Up to 32GB RAM
- XGA (1024x768) resolutions
- Aluminum & Steel + IP65 true flat front panel
- Projective Capacitive Multitouch - 10 points
- 2x M.2 2280 (1x NVMe/SATA3 + 1x NVMe) + 1x SSD 2.5" SATA3
1x Mini PCIe + 1x M.2 2230 + 3x GbE (1x 2.5G) + 1x HDMI + 4x USB 3.2 +
2x RS485 + 2x RS232/485 + 2x RS232 + 8x GPIO
- 9 ~ 36 VDC w/ Terminal Block 2P or 220 VAC w/ power adapter +
Remote ON/OFF
- Panel and VESA Mount



MAINBOARD

CPU: Intel Alder Lake i5 1235U
10 Core / 12 Thread
0.9 GHz (Base) / 4.4 GHz (Turbo) 15W

MEMORY

Capacity: up to 32GB
Frequency: 4800 MHz
Type: 1x SO-DIMM DDR5

STORAGE

SATA: 1x SATA3
M.2: 1x M.2 M-Key (2280) NVMe/SATA3
1x M.2 M-Key (2280) NVMe
Storage Bay: 1x Internal 2.5" SSD Bay

I/O INTERFACE

Serial ports: 2x RS485 + 2x RS232/485 + 2x RS232
USB ports: 4x USB 3.2
M.2: 1x M.2 E-Key (2230) CNVlo2
Mini PCIe: 1x Mini PCIe (Full-size)
AUDIO: 1x Line-out Combo Jack
SIM: 1x SIM Slot connected to Mini-PCIe
GPIO: 8x GPIO (4in / 4out)

VIDEO

GPU: Intel UHD Graphics
Interface: 1x HDMI (Up to 4096x2160 @60Hz)

ETHERNET

LAN: 2x Intel i210-AT Gigabit LAN
1x Intel i226-LM 2.5GbE Gigabit LAN

DISPLAY

Size: 12.1"
Resolution: XGA (1024x768)
Aspect Ratio: 4:3
Backlight: Led
Bright and Contrast: 450 cd/mq
Colors: 16 M
View Angle: 178° - 178°

TOUCH SCREEN

Glass Thickness: 2 mm
Technology: Projective Capacitive Multitouch

FRONT PANEL

Thickness: 5 mm
Front Panel Type: Aluminum + True Flat Frame

*All product information may subject to change without prior notice.

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MECHANICAL

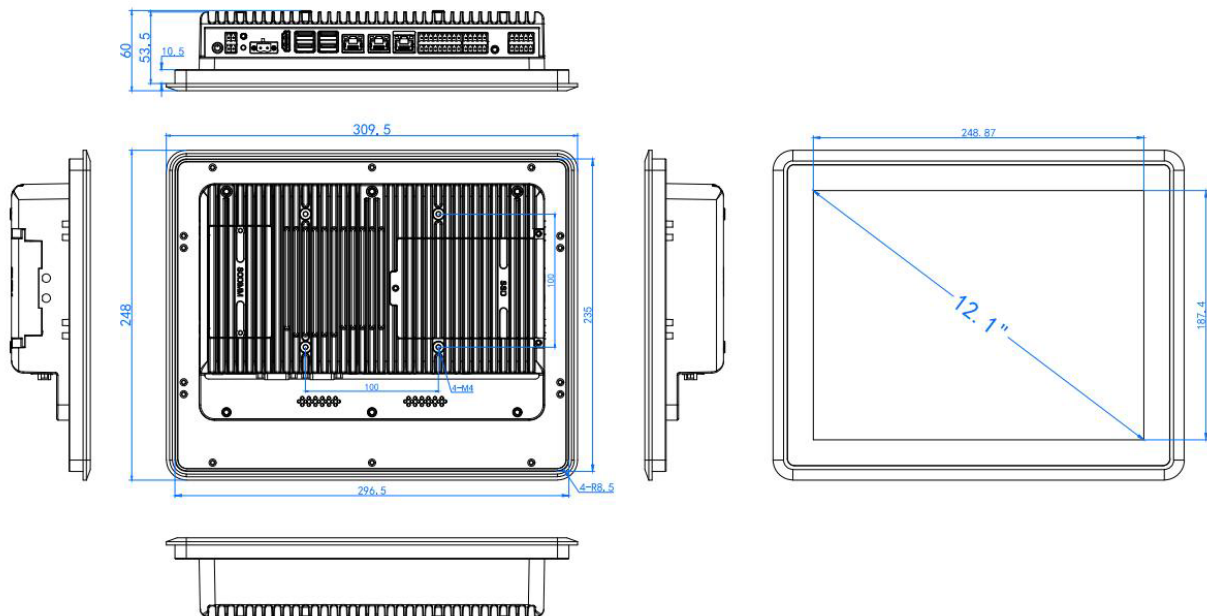
Material:	Aluminum + Steel
IP Protection:	IP65 on front side
Dimensions:	(W)309.5x(D)248x(H)60mm
Cutout:	298.5x237mm
Weight:	2,9 Kg
Mounting:	Panel Mount / VESA 100

ENVIRONMENT

Operating temp.:	-20°C ~ +60°C
Storage temp.:	-20°C ~ +70°C
Humidity:	5% ~ 95% Humidity, non-condensing
EMC:	CE, RoHS

POWER

Power in:	9 ~ 36VDC or 220 VAC w/ Power adapter
Max Power:	~ 60 W max
Connector:	Terminal Block 2P + Remote SW



ACCESSORIES INCLUDED:

- Fast clamp Mounting Kit
- 4x Terminal Blocks
- 220VAC Power Supply (optional)

COMPATIBLE OS:

MS WINDOWS (64bit)

- Windows 10 Enterprise LTSC (IoT)
- Windows 11 Enterprise LTSC (IoT)



LINUX *

- CentOS 8
- Debian 10
- Fedora 34
- Ubuntu 20.04 LTS
- pfSense



ORDER CODE:

Contact your sales representative for configuration.

* Linux distributions tested with the IPC.

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