

# R12IAD3S-OFM2

12.1" Intel® Core™ i5-1235U Open Frame Panel PC



CE

FC

## KEY FEATURES

- 12.1" 1024 x 768 Resolution Open Frame PC
- 12th Gen Intel® Core™ i5-1235U processor
- 1 x SODIMM, DDR5 4800MHz, support up to 32GB
- Integrated Dual 2.5 Gigabit Ethernet
- Multiple I/Os, 2 x USB 3.2 Gen2x1, 2 x Serial Ports
- 12 V DC Power input

## INTRODUCTION

Winmate Open Frame Panel PC Series delivers versatility and performance for diverse industrial applications. Available in sizes from 5.7" to 24", these wide, rectangular panel PCs support multiple operating systems and advanced processors for seamless integration. Featuring resistive and PCAP touch options, they offer precise and intuitive operation. The open-frame design ensures easy installation into cabinets or kiosks, making them ideal for factory automation, retail, and interactive digital signage.

## SPECIFICATIONS

### Display

|                       |                                                                                         |                         |                  |
|-----------------------|-----------------------------------------------------------------------------------------|-------------------------|------------------|
| <b>Resolution</b>     | 1024x768                                                                                | <b>Size</b>             | 12.1 inches      |
| <b>Contrast Ratio</b> | 1000:1                                                                                  | <b>Panel Brightness</b> | 500.0 nits       |
| <b>View Angles</b>    | 89,89,89,89                                                                             | <b>Active Area</b>      | 245.76x184.32 mm |
| <b>Touch / Glass</b>  | Resistive Touch Screen (Optional)<br>Protection Glass Without Touch Function (Optional) |                         |                  |

### System Specification

|                  |                                                                                                                                                 |                            |                                                                                                                                                  |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WLAN</b>      | Support (Optional)                                                                                                                              | <b>BT</b>                  | Support (Optional)                                                                                                                               |
| <b>Processor</b> | Intel® Core™ i5-1235U 3.3GHz(up to 4.40 GHz)                                                                                                    | <b>Memory</b>              | 1 x SO-DIMM, DDR5 4800 MHz, 8GB<br>16GB (Optional)<br>32GB (Optional)                                                                            |
| <b>Storage</b>   | 1 x M.2 2280 M-Key NVMe SSD 256GB<br>512GB (Optional)<br>1TB (Optional)<br>2TB (Optional)<br>1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional) | <b>Ethernet controller</b> | 2 x Intel® Ethernet Controller                                                                                                                   |
| <b>Security</b>  | TPM 2.0                                                                                                                                         | <b>Operating System</b>    | Windows 11 IoT Enterprise (64 bit) (Optional)<br>Windows 11 Pro 64 bit (Optional)<br>Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional) |

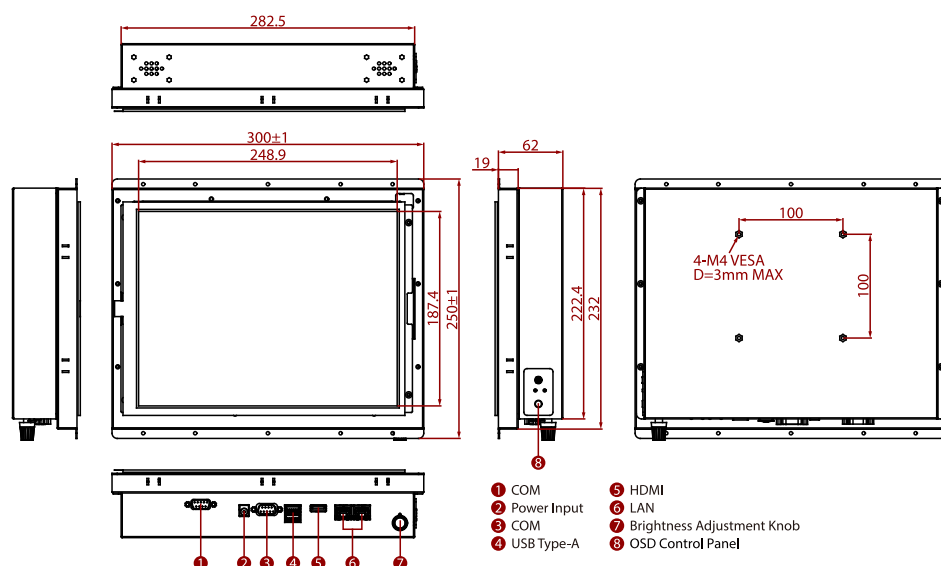
### Mechanical

|                       |                                                               |                  |               |
|-----------------------|---------------------------------------------------------------|------------------|---------------|
| <b>Dimension</b>      | 300 x 250 x 62 mm                                             | <b>Weight</b>    | 2.3 kg        |
| <b>Mounting</b>       | Open frame<br>Panel mount (Optional)<br>VESA mount (Optional) | <b>Enclosure</b> | Metal Housing |
| <b>Cooling System</b> | Fanless Design                                                |                  |               |

### Environment

|                            |                                                        |                              |                                                                                     |
|----------------------------|--------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|
| <b>Operating Humidity</b>  | 10% to 90% RH, Non-Condensing                          | <b>Operating Temperature</b> | 0°C to 50°C                                                                         |
| <b>Storage Temperature</b> | -10°C to 60°C                                          |                              |                                                                                     |
| <b>Certification</b>       |                                                        |                              |                                                                                     |
| <b>Certification</b>       | CE, FCC                                                |                              |                                                                                     |
| <b>IO Ports</b>            |                                                        |                              |                                                                                     |
| <b>Power Input</b>         | 1 x 12V DC, 2.5φ DC jack                               | <b>USB Port</b>              | 2 x USB3.2 Gen2x1 (Type-A)                                                          |
| <b>Serial Port</b>         | 1 x RS232/422/485 (Default RS232)<br>1 x RS232         | <b>Video</b>                 | 1 x HDMI 2.0 (Optional)                                                             |
| <b>Audio</b>               | 2 x Speaker                                            | <b>Expansion Port</b>        | 1 x M.2 2280 M-Key Slot (for NVME SSD)<br>1 x M.2 2230 E-KeySlot (for Wi-Fi Module) |
| <b>LAN</b>                 | 2 x 2.5 Giga LAN RJ45 Connector                        | <b>Indicator</b>             | 1 x LED Indicator for power<br>1 x LED Indicator for storage                        |
| <b>Brightness Knob</b>     | 1 x Brightness Adjustment Knob                         |                              |                                                                                     |
| <b>Control</b>             |                                                        |                              |                                                                                     |
| <b>Button</b>              | 1 x Power Button<br>1 x Reset Button                   |                              |                                                                                     |
| <b>Accessory</b>           |                                                        |                              |                                                                                     |
| <b>Accessory</b>           | 100~240V AC to DC Adapter<br>Power Cord<br>VESA screws |                              |                                                                                     |
| <b>Power</b>               |                                                        |                              |                                                                                     |
| <b>Power Rating</b>        | 12V DC                                                 | <b>Adapter</b>               | 12V 120W                                                                            |

## DIMENSIONS UNIT:MM



## NOTE

- 1.This is a simplified drawing and some components are not marked in detail.
- 2.Please contact our sales representative if you need further product information.
- 3.All specifications are subject to change without prior notice.
- 4.The product shown in this datasheet is a standard model.For diagrams that contain customized or optional I/ O, please contact the Winmate Sales Team for more information.

# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 [www.autocont-ipc.cz](http://www.autocont-ipc.cz)



### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.