

R06IAN3S-OFA1

6.5" Intel® Alder Lake-N N100 Open Frame Panel PC



CE

FCC

KEY FEATURES

- 6.5" SVGA TFT LCD
- Intel® Alder Lake-N N100 Processor
- 1 x SO-DIMM DDR5-4800, max. 16GB
- 2 x 2.5 Gigabit Ethernet
- Supports 1 x HDMI, 1 x USB 3.2 Type-C with DP-Alt, 2 x USB 3.2 Gen 2 Type-A, 4 x USB 2.0, 4 x COM
- Supports VESA Mount

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

Resolution	640x480	Size	6.5 inches
Contrast Ratio	600:1	Panel Brightness	700.0 nits
View Angles	80,80,70,70	Active Area	132.48x99.36 mm
Touch / Glass	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)		

System Specification

WLAN	Support (Optional)	BT	Support (Optional)
Processor	Intel® Processor N100 6M Cache, up to 3.40 GHz	Memory	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional) 1 x SATA III for 2.5" SSD/HDD up to 2TB (Only available when NVME SSD is not present) (Optional)	Ethernet controller	2 x Intel® 2.5 Gigabit Ethernet Controller
Security	TPM 2.0	Operating System	Windows 10 Pro 64 bit (Optional) Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 24.04 (Do not support Wake on Touch) (Optional)

Mechanical

Dimension	190 x 142 x 50.6 mm	Weight	1.1 kg
Mounting	Open frame Panel mount (Optional)	Enclosure	Metal Housing

VESA mount (Optional)

Cooling System Fanless Design

Environment

Operating Humidity 10% to 90% RH, Non-Condensing

Storage Temperature -10°C to 60°C

Operating Temperature 0°C to 50°C

Certification

Certification CE, FCC

IO Ports

Power Input 1 x 12V DC, 2.5φ DC jack

Serial Port 1 x RS232/422/485 (Default RS232)
1 x RS232

Audio 2 x Speaker

LAN 2 x 2.5 Giga LAN RJ45 Connector

USB Port 2 x USB3.2 Gen1x1 (Type-A)
1 x USB 3.2 Gen 2x1 Type C connector, support DP Alt. mode

Video 1 x HDMI 2.0b (Optional)

Expansion Port 1 x M.2 2280 M-Key Slot (for NVMEI SSD)
1 x M.2 2230 E-Key Slot (for Wi-Fi module)

Indicator 1 x LED Indicator for power
1 x LED Indicator for storage

Control

Button 1 x Power Button
1 x Reset Button

Accessory

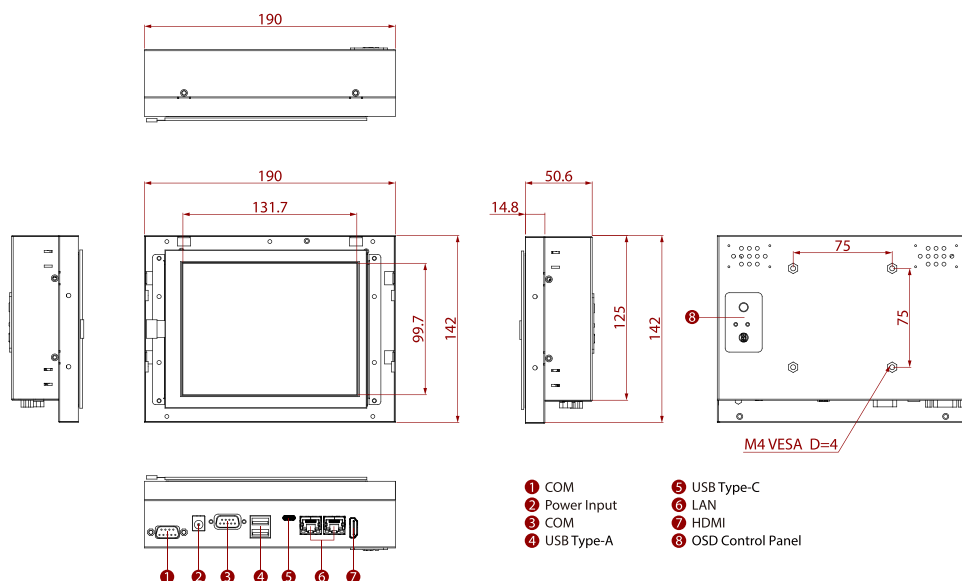
Accessory 100~240V AC to DC Adapter
Power Cord
VESA screws

Power

Power Rating 12V DC

Adapter 12V 50W

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing; 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.