

# W07IAN3S-POT1

7" Intel® Alder Lake-N N100 PO Series HMI Panel PC



CE

FC

## KEY FEATURES

- 7" 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
- Slim-line design in open-frame housing
- Multi-touch PCAP flat design
- Suitable for KIOSK applications

## INTRODUCTION

Winmate PO Series HMI offers a versatile solution for industrial automation and kiosk applications, with sizes ranging from 7" to 27". Featuring Intel® processors, a slim-line open-frame design, and a flat multi-touch PCAP display, it delivers sleek aesthetics and advanced functionality. With certifications for rugged environments and options like dual Gigabit Ethernet and IP65-rated front protection, this HMI is ideal for interactive kiosks, process control, and smart manufacturing, ensuring reliable performance and seamless integration.

## SPECIFICATIONS

| Display              |                                                                                                                                                                                                                                     |                     |                                                                                                                                                  |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution           | 1024x600                                                                                                                                                                                                                            | Size                | 7.0 inches                                                                                                                                       |
| Contrast Ratio       | 1000:1                                                                                                                                                                                                                              | Panel Brightness    | 320.0 nits                                                                                                                                       |
| View Angles          | 75,75,75,70                                                                                                                                                                                                                         | Active Area         | 153.6x90 mm                                                                                                                                      |
| Touch / Glass        | Projected Capacitive Multi Touch Screen                                                                                                                                                                                             |                     |                                                                                                                                                  |
| 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<br>16GB (Optional)                                                                                               |
| Storage              | 1 x M.2 2280 M-Key NVMe SSD 128GB<br>256GB (Optional)<br>512GB (Optional)<br>1TB (Optional)<br>2TB (Optional)<br>4TB (Optional)<br>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 11 IoT Enterprise (64 bit) (Optional)<br>Windows 11 Pro 64 bit (Optional)<br>Linux Ubuntu 24.04(Do not support Wake on Touch) (Optional) |
| Mechanical           |                                                                                                                                                                                                                                     |                     |                                                                                                                                                  |
| Dimension            | 208 x 126 x 46 mm                                                                                                                                                                                                                   | Weight              | 1.2 kg                                                                                                                                           |
| Mounting             | Open frame                                                                                                                                                                                                                          | Enclosure           | Metal Housing                                                                                                                                    |

Panel mount (Optional)  
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

|                    |                                                |                       |                                                                                          |
|--------------------|------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------|
| <b>Power Input</b> | 1 x 12V DC, 2.5φ DC jack                       | <b>USB Port</b>       | 2 x USB3.2 Gen1x1 (Type-A)<br>1 x USB 3.2 Gen 2x1 Type C connector, support DP Alt. mode |
| <b>Serial Port</b> | 1 x RS232/422/485 (Default RS232)<br>1 x RS232 | <b>Video</b>          | 1 x HDMI 2.0b (Optional)                                                                 |
| <b>Audio</b>       | 2 x Speaker                                    | <b>Expansion Port</b> | 1 x M.2 2280 M-Key Slot (for NVMEI SSD)<br>1 x M.2 2230 E-Key Slot (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                             |

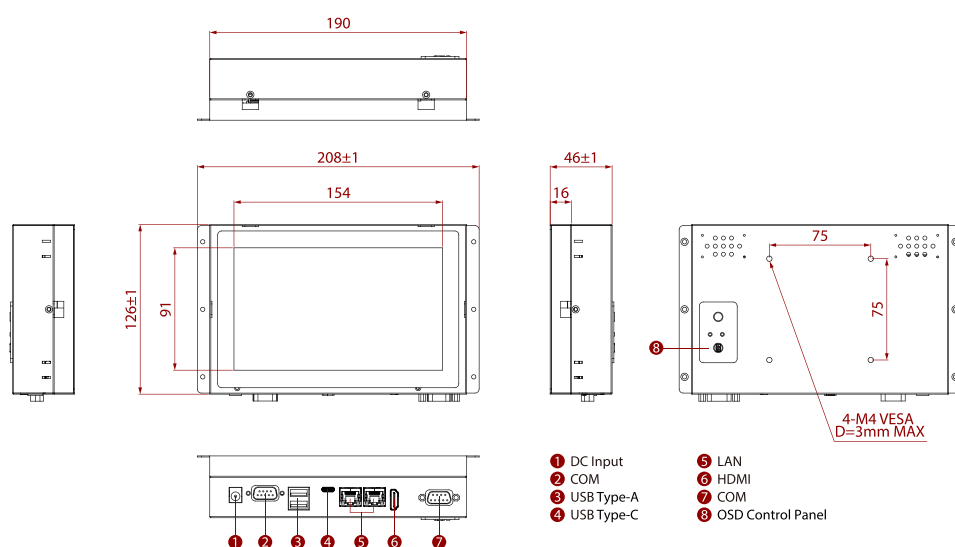
## Accessory

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

## Power

|                     |        |                |         |
|---------------------|--------|----------------|---------|
| <b>Power Rating</b> | 12V DC | <b>Adapter</b> | 12V 50W |
|---------------------|--------|----------------|---------|

## 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.