W07IAN3S-POT1

7” Intel® Twin Lake N150 PO Series HMI Panel PC

KEY FEATURES

- 7” SVGA TFT LCD
- Intel® Twin Lake N150 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 W07IAN3S-POT1 is a 7-inch Intel® Twin Lake N150 PO Series HMI Panel PC engineered for machine control, factory automation, and operator HMI. It combines 7-inch display, IP65, and 7” SVGA TFT LCD to support reliable operation in harsh industrial environments. With Intel® Twin Lake N150 Processor, the W07IAN3S-POT1 helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

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

Processor	Intel® Processor N150 6M Cache, up to 3.60 GHz	**Memory**	8GB (Default) 16GB (Optional)
Storage	128GB SSD (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB (Optional) 2TB (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 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	208 x 126 x 46 mm	**Weight**	1.2 kg
Mounting	Open frame (Default) Panel mount (Optional) VESA mount (Optional)	**Enclosure**	Metal Housing

WINMATE
No. 18, Zhongxing S. St., Sanchong Dist., New Taipei City 241017 , Taiwan (R.O.C.)
Tel: +886-2-8511-0288
Website: www.winmate.com

Revised:V.260923.260930

Cooling System	Fanless Design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	**Operating Temperature**	0°C to 50°C
Storage Temperature	-10°C to 60°C		

Certification

Certification	CE, FCC

IO Ports

Power Input	1 x 12V DC, 2.5φ DC jack	**USB Port**	2 x USB3.2 Gen1x1 (Type-A) 1 x USB 3.2 Gen 2x1 Type C connector,support DP Alt. mode
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	**Video**	1 x HDMI 2.0b (Optional)
Audio	2 x Speaker	**Expansion Port**	1 x M.2 2230 E-Key Slot (for Wi-Fi module)
LAN	2 x 2.5 Giga LAN RJ45 Connector	**Indicator**	1 x LED Indicator for power 1 x LED Indicator for storage

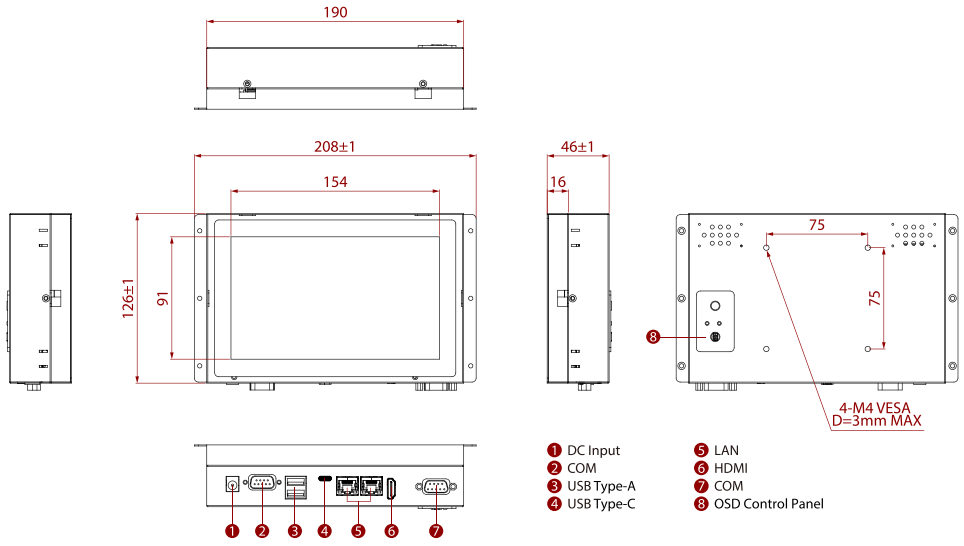
Accessory

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, 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.

* Some images or content on this page are created or enhanced using generative AI technology. All AI-generated content has been reviewed before publication.