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 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

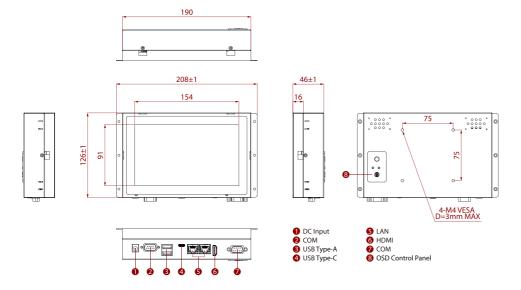|			
Dimension	208 x 126 x 46 mm	Weight	1.2 kg

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.251027.251105

1

Mounting	Open frame Panel mount (Optional) VESA mount (Optional)		Enclosure	Metal Housing
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 2280 M-Key Slot (for NVMEI SSD) 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

190

208±1

154

126±1

91

46±1

16

75

75

4-M4 VESA
D=3mm MAX

❶ DC Input   ❺ LAN
❷ COM   ❻ HDMI
❸ USB Type-A   ❼ COM
❹ USB Type-C   ❽ OSD Control Panel

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.

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.251027.251105

2