

W07IAN3S-OFT1

7" Intel® Twin Lake N150 Open Frame 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
- Supports VESA Mount

INTRODUCTION

Winmate W07IAN3S-OFT1 is a 7-inch Intel® Twin Lake N150 Open Frame Panel PC engineered for machine control, factory automation, and operator HMI. It combines 7-inch display, 7" SVGA TFT LCD, and Intel® Twin Lake N150 Processor to support reliable operation in harsh industrial environments. With 1 x SO-DIMM DDR5-4800, max. 16GB, the W07IAN3S-OFT1 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	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)		

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	190 x 139.6 x 60.3 mm	Weight	1.2 kg
Mounting	Open frame (Default) 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
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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

Control

Button	1 x Power Button 1 x Reset Button
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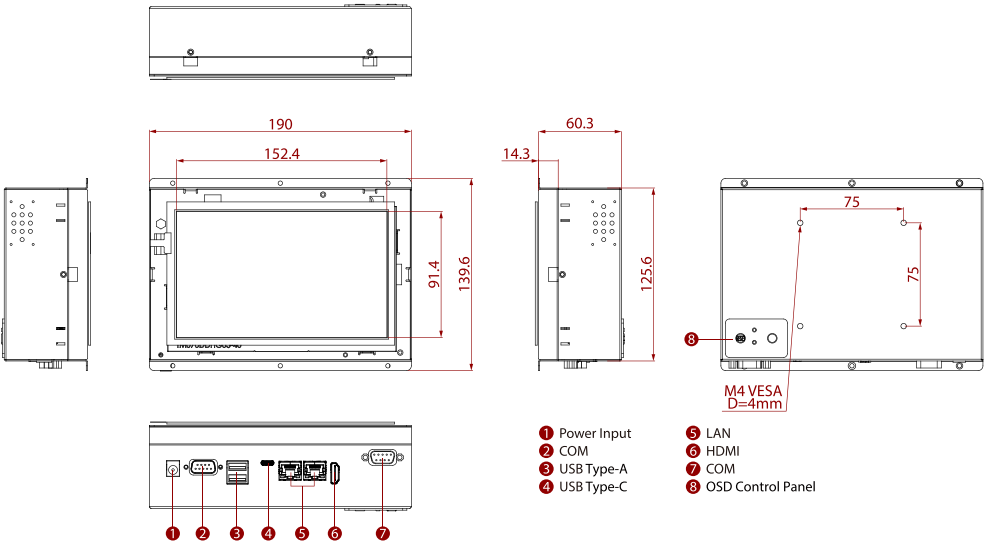
Accessory

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

Power Rating	12V DC	Adapter	12V 50W
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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.
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