

R06IAN3S-PMA1

6.5" Intel® Twin Lake N150 Panel Mount Panel PC



CE

FC

KEY FEATURES

- 6.5" 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 and Panel Mount

INTRODUCTION

Winmate R06IAN3S-PMA1 is a 6.5-inch Intel® Twin Lake N150 Panel Mount Panel PC engineered for machine control, factory automation, and operator HMI. It combines 6.5-inch display, 6.5" 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 R06IAN3S-PMA1 helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

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

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)

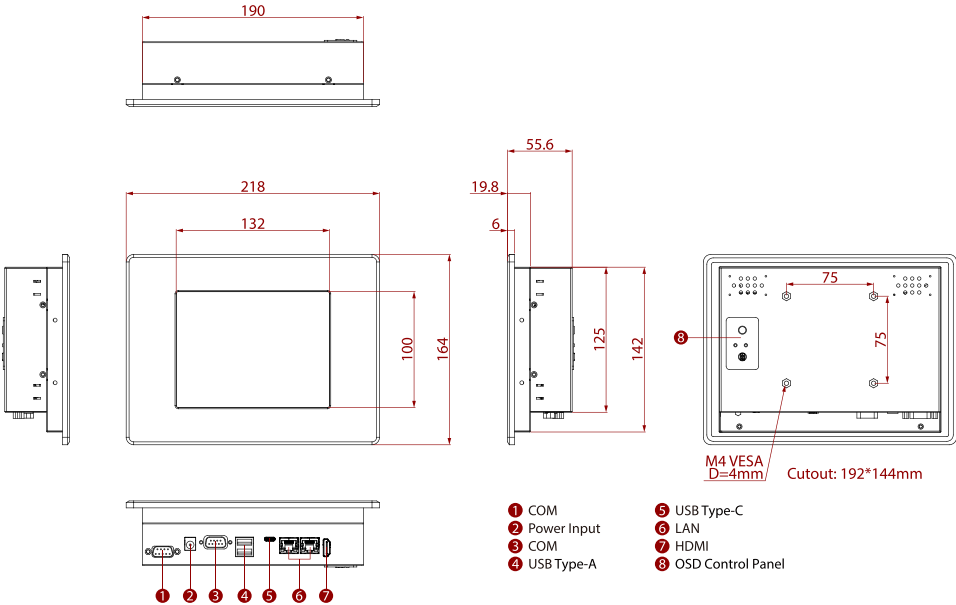
Mechanical

Dimension	218 x 164 x 55.6 mm	Weight	1.4 kg
Mounting	Panel mount (Default) VESA mount (Optional)	Enclosure	Metal Housing
Cooling System	Fanless Design	Cut out	192 x 144 mm

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C	IP rating	Front IP65
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
Control			
Button	1 x Power Button 1 x Reset Button		
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord VESA screws Mounting clips		
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.
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