

R06IAN3S-IPA1

6.5" Intel® Alder Lake-N N100 Front IP65 Panel PC



KEY FEATURES

- 6.5" 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
- Front IP65 Panel PC
- Supports VESA Mount and Panel Mount

INTRODUCTION

Winmate Front IP65 Panel PC Series combines robust performance with a waterproof front design, making it ideal for wet and dusty environments like factory automation, outdoor kiosks, and poolside installations. Available in sizes from 5.7" to 24", these panel PCs support various operating systems and processors. The intuitive touchscreen options and a compact, narrow bezel enhance usability, while the IP65-rated front and easy installation design ensure durability and reliability in industrial and outdoor 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

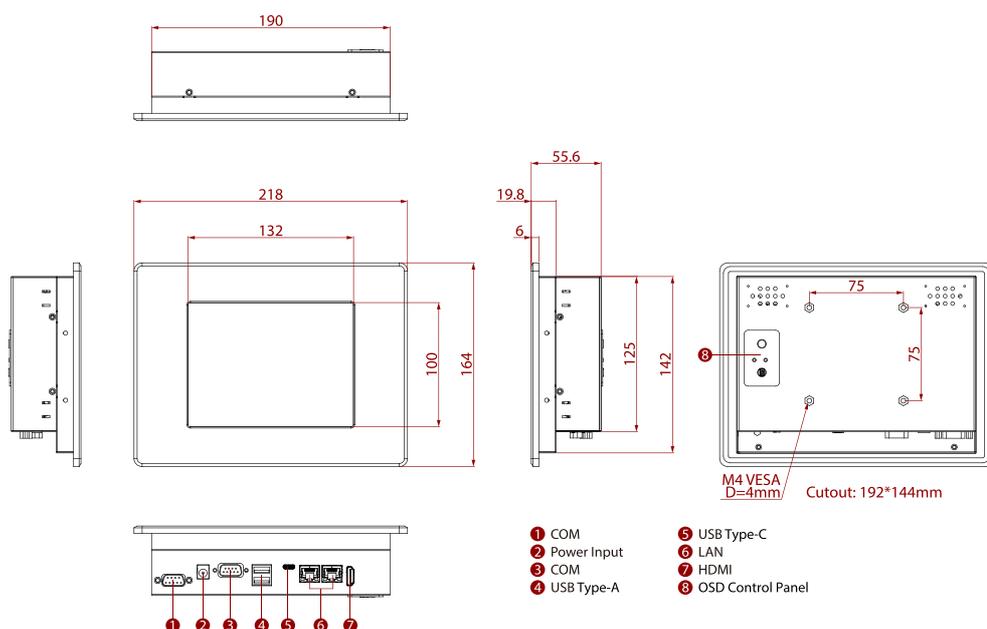
WLAN	Support (Optional)	BT	Support (Optional)
Processor	Intel® Processor N100 6M Cache, up to 3.40 GHz	Memory	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional) 1 x SATA III for 2.5" 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	218 x 164 x 55.6 mm	Weight	1.4 kg
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Mounting	Panel mount 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 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
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, 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.