

# R10IAN3S-CHA1WT

10.4" Intel® Alder Lake-N N100 Chassis Wide Temperature Panel PC



## KEY FEATURES

- 10.4" XGA 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
- Wide Temperature Chassis Panel PC
- Supports VESA Mount

## INTRODUCTION

Winmate Chassis Panel PC Series offers robust and versatile solutions for industrial applications, available in sizes from 7" to 24". Designed for reliability, these PCs feature a wide range of operating systems, advanced display interfaces, and front IP65 protection. With multiple I/O options, support for DP, HDMI, LVDS, and eDP interfaces, and flexible storage configurations, they are ideal for control rooms, kiosks, and factory automation. The rugged design and wide operating temperature range ensure durability in challenging environments.

## SPECIFICATIONS

### Display

<b>Resolution</b>	800x600	<b>Size</b>	10.4 inches
<b>Contrast Ratio</b>	700:1	<b>Panel Brightness</b>	400.0 nits
<b>View Angles</b>	80,80,70,60	<b>Active Area</b>	211.2x158.4 mm
<b>Touch / Glass</b>	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)		

### System Specification

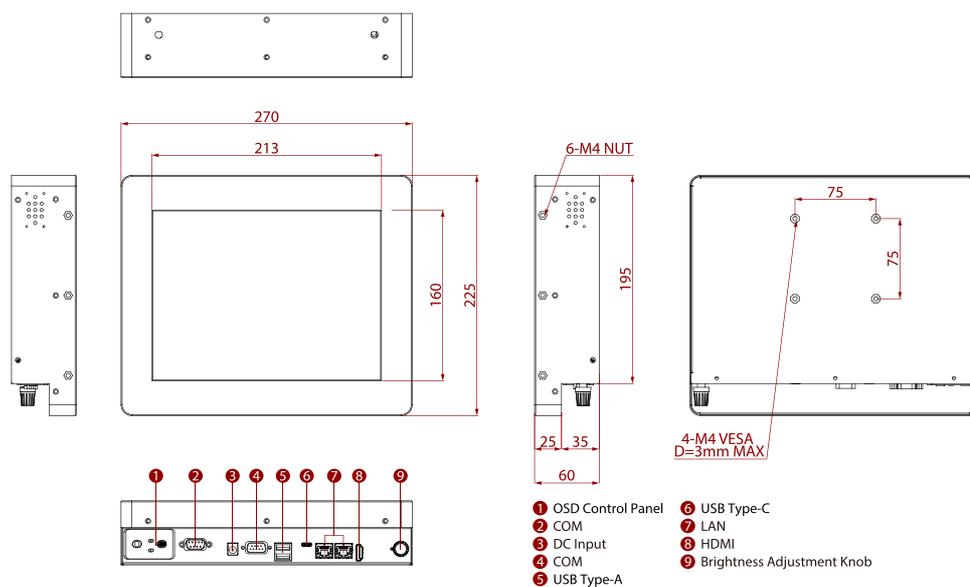
<b>WLAN</b>	Support (Optional)	<b>BT</b>	Support (Optional)
<b>Processor</b>	Intel® Processor N100 6M Cache, up to 3.40 GHz	<b>Memory</b>	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional)
<b>Storage</b>	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional) 1 x SATA III for 2.5" SSD/HDD up to 2TB (Only available when NVMe SSD is not present) (Optional)	<b>Ethernet controller</b>	2 x Intel® 2.5 Gigabit Ethernet Controller
<b>Security</b>	TPM 2.0	<b>Operating System</b>	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

<b>Dimension</b>	270 x 225 x 60 mm	<b>Weight</b>	2.6 kg
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Mounting	VESA mount	Enclosure	Metal Housing
Cooling System	Fanless Design		
<b>Environment</b>			
Operating Humidity	30% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
Storage Temperature	-25°C to 65°C		
<b>Certification</b>			
Certification	CE, FCC		
<b>IO Ports</b>			
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
Brightness Knob	1 x Brightness Adjustment Knob		
<b>Control</b>			
Button	1 x Power Button 1 x Reset Button		
<b>Accessory</b>			
Accessory	100~240V AC to DC Adapter Power Cord VESA screws		
<b>Power</b>			
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.