

R10IP7T-IPA1WT

10.4" Intel® Pentium® N4200 Front IP65 Wide Temperature Panel PC



CE

FC

KEY FEATURES

- Intel® Pentium® N4200 Apollo Lake Processor 1.10 GHz
- Flexible storage devices, one 2.5-inch HDD and one SSD socket
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.0 Ports
- 12 V DC Power input
- DP Support 4096 x 2160 @ 60 Hz
- HDMI Support 3840 x 2160 @ 30 Hz

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

System Specification

Processor	Intel Pentium N4200 1.1GHz (up to 2.5GHz)	Memory	Dual-channel (non-ECC) SO-DIMM RAM.Up to 16GB
Storage	128GB SSD(Default) (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB 2 x SATA III for 2.5" SSD/HDD(Supprt RAID) (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)
WLAN	Support (Optional)	BT	Support (Optional)

Mechanical

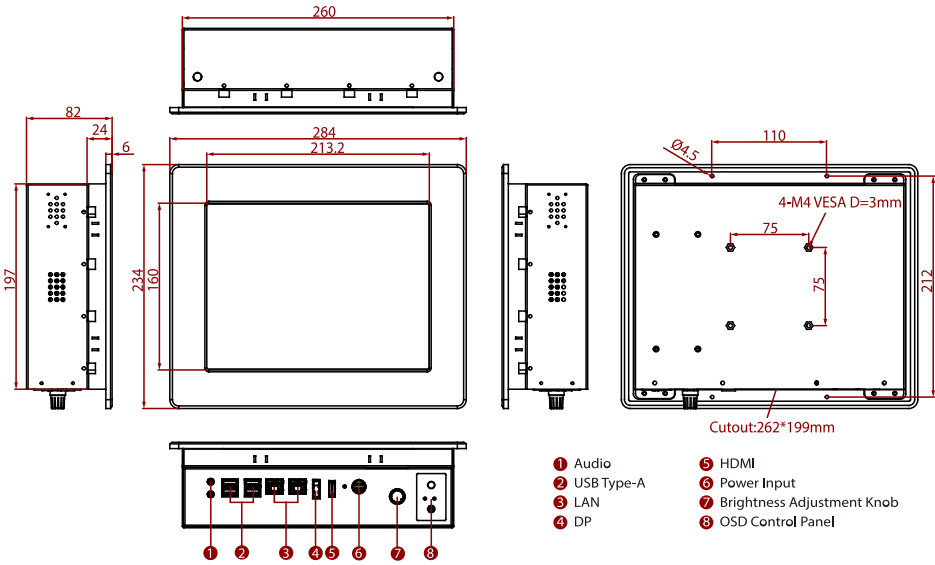
Dimension	284 x 234 x 82 mm	Weight	2.4 kg
Mounting	Open frame (Default) Panel mount (Optional) VESA mount (Optional)	Enclosure	Metal Housing
Cooling System	Fanless Design	Cut out	262 x 199 mm

Environment

Operating Humidity	30% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 60°C
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Storage Temperature	-30°C to 70°C	IP rating	Front IP65
Certification			
Certification	CE, FCC		
IO Ports			
Power Input	1 x 12V DC, Din4 pin connector	USB Port	4 x USB3.2 Gen1x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x DP1.2 (Default) 1 x HDMI 1.4 (Optional) 1 x VGA (Optional)
Audio	1 x Mic in 1 x Line out 2 x Speaker	Expansion Port	1 x M.2 2242 B-key Slot (for SATA III SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module) 1 x PCIe 2.0 (x1) slot
LAN	2 x Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage
Brightness Knob	1 x Brightness Adjustment Knob		
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.