

R12IP3S-PCM2AC-POE

12.1" Intel® Pentium® N4200 S Series HMI Panel PC



KEY FEATURES

- 12.1" 1024 x 768 Resolution with Projected Capacitive MultiTouch (PCAP)
- Fanless cooling system and ultralow power consumption
- Support PoE function
- Optional 2MP Front Camera
- Optional HF RFID Reader
- Stylish design for room booking, access control, and room information applications
- Front IP65 Water and Dust Proof

INTRODUCTION

Winmate S-Series HMI offers a stylish and versatile solution for modern automation and control applications. Available in sizes from 7" to 15", this wide rectangular Panel PC supports Power over Ethernet, multiple processors, and operating systems like Windows and Android. With optional HF RFID reader and built-in RGB LED light bar, it is perfect for room booking, access control, and room information systems. Designed with front IP65 water and dust resistance, it delivers durability and sleek aesthetics for industrial and commercial environments.

SPECIFICATIONS

Display

Resolution	1024x768	Size	12.1 inches
Contrast Ratio	1000:1	Panel Brightness	500.0 nits
View Angles	89,89,89,89	Active Area	245.76x184.32 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		

System Specification

Processor	Intel Pentium N4200 1.1GHz (up to 2.5GHz)	Memory	4GB(Default) (Default) 8GB (Optional)
Storage	128GB SSD(Default) (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB (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)
RFID	HF RFID Reader 13.56 MHz (Optional)	Light Bar	Built-in RGB LED Status Light Bar, on both sides

Mechanical

Dimension	296 x 227 x 46 mm	Weight	3.0 kg
Mounting	Wall mount (Default) VESA mount (Optional)	Enclosure	Metal Housing
Cooling System	Fanless Design	Cut out	282x207mm

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
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IO Ports

Power Input	1 x 12V DC, 3-Pin Terminal Block	USB Port	2 x USB3.2 Gen2x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)	Audio	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)	LAN	2 x 2.5 Giga LAN RJ45 Connector, One with PoE(PD, 802.3at, 25W) (Optional)

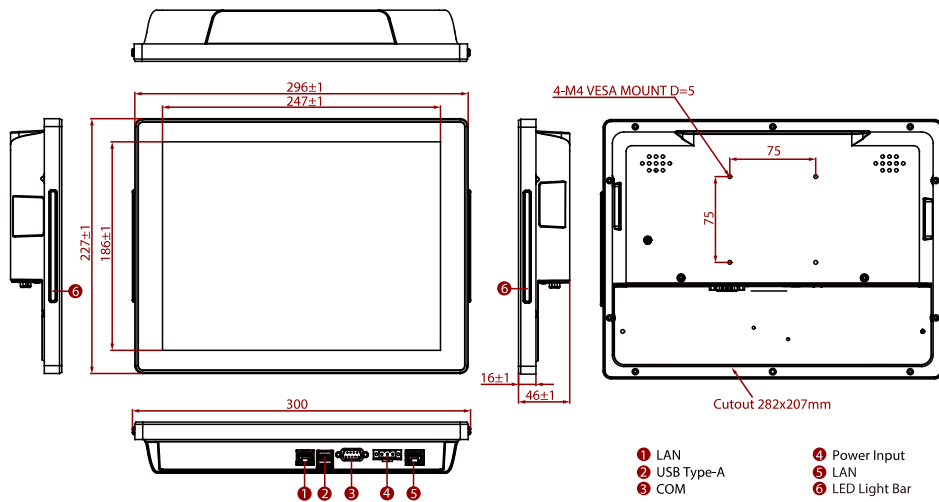
Accessory

Accessory	100~240V AC to DC Adapter Power Cord Terminal Block to 2.5Ø Female Adapter Cable Open Wire Cable with terminal block connector VESAs screws	Optional Accessory	VESA Desk Stand (9B0000000412) (Optional)
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Power

Power Rating	12V DC	Adapter	12V 50W
POE	PoE (PD): follows IEEE 802.3at (25 W)		

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. 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.
3. All specifications are subject to change without prior notice.