

# W14IE3S-EHA1

14" Intel® Celeron® N6211 E Series HMI Panel PC



## KEY FEATURES

- 14" 1920 x 1080 Resolution with Projected Capacitive MultiTouch (PCAP)
- Intel® Celeron® N6211 Processor
- Dual Gigabit Ethernet
- Fanless cooling system and ultra low power consumption
- Front IP65 Water and Dust Proof

## INTRODUCTION

Winmate E Series HMI offers versatile and reliable solutions for industrial automation, available in sizes from 7" to 15.6". With support for various operating systems including Windows, Android, and Linux, it features a PCAP multi-touch display, front IP65 water and dust protection, and a fanless cooling system for ultra-low power consumption. Its robust design includes dual Gigabit Ethernet, multiple I/O ports, and resolutions up to 1920x1080, making it ideal for applications in manufacturing, logistics, and smart factories.

## OVERVIEW

### True Flat and Easy Clean



### True Flat Design for Easy Maintenance

The Winmate E Series HMI features a true flat design, ensuring a seamless and easy-to-clean surface. This sleek and modern design minimizes dust and debris accumulation, making it ideal for environments where hygiene and cleanliness are critical.

### Power over Ethernet (PoE) for Simplified Connectivity

Winmate E Series HMI supports Power over Ethernet (PoE) technology, allowing data and power to be delivered through a single cable. This feature reduces the need for additional wiring, simplifies installation, and ensures efficient operation in industrial and commercial applications.



### HIGH-PERFORMANCE CPU



### High-Performance CPU Optimized for Industrial Automation

Equipped with an advanced processor tailored for industrial automation, the Winmate E Series HMI delivers robust performance and reliability. This ensures seamless operation, precise control, and the capability to handle demanding automation tasks in industrial environments.

## P-CAP Touch Technology with Scratch Resistance

Winmate E Series HMI includes a durable glass cover lens that offers superior scratch resistance, ensuring long-term durability. Its projected capacitive (P-CAP) multi-touch technology supports four-point touch control, enabling intuitive and responsive interaction. This feature enhances user convenience and elevates the overall customer experience.



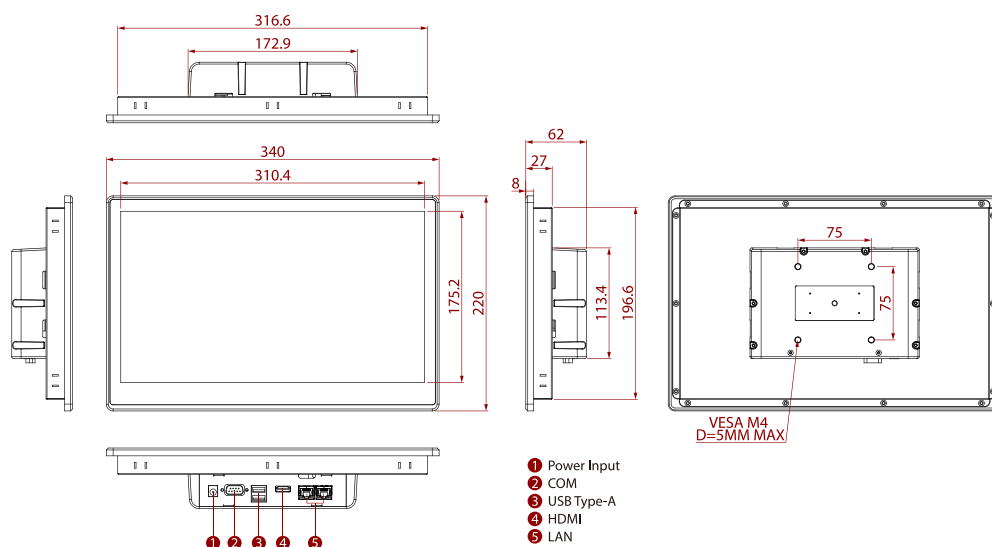
## Quick Installation with Mounting Clips

Designed with mounting clips for panel installation, the Winmate E Series HMI eliminates the need for drilling holes in fixtures. This not only reduces installation time but also ensures a clean and professional appearance when the unit is removed, preserving the integrity of the mounting surface.

## SPECIFICATIONS

Display			
Touch / Glass	Projected Capacitive Multi Touch Screen	Resolution	1920x1080
Size	14.0 inches	Contrast Ratio	1200:1
Panel Brightness	700.0 nits	View Angles	89,89,89,89
Active Area	309.312x173.988 mm		
System Specification			
Processor	Intel® Celeron® N6211 ( up to 3.0GHz)	Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional)
Storage	1 x M.2 2242 B-key SSD 128GB 256GB (Optional) 512GB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)
Mechanical			
Dimension	340 x 220 x 62 mm	Weight	2 kg
Mounting	Panel mount VESA mount (Optional)	Enclosure	Metal Housing & ABS+PC
Cooling System	Fanless Design	Cut out	318.6 x 198.6 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 Gen2x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)	Video	1 x HDMI 2.0 (Optional)
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
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord VESA screws Mounting clips		
Power			
Power Rating	12V DC 9~36V (Optional)	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.