W14IB3S-EHA1

14" Intel® Celeron® N2930 E Series HMI Panel PC

CE
FC

KEY FEATURES

- 14" 1920 x 1080 Resolution with Projected Capacitive MultiTouch (PCAP)
- Intel® Celeron® N2930 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 and Linux Ubuntu, 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.

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 N2930 1.83GHz (up to 2.16GHz)	Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x M.2 2242 B-key SSD 128GB 256GB (Optional) 512GB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Operating System	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (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

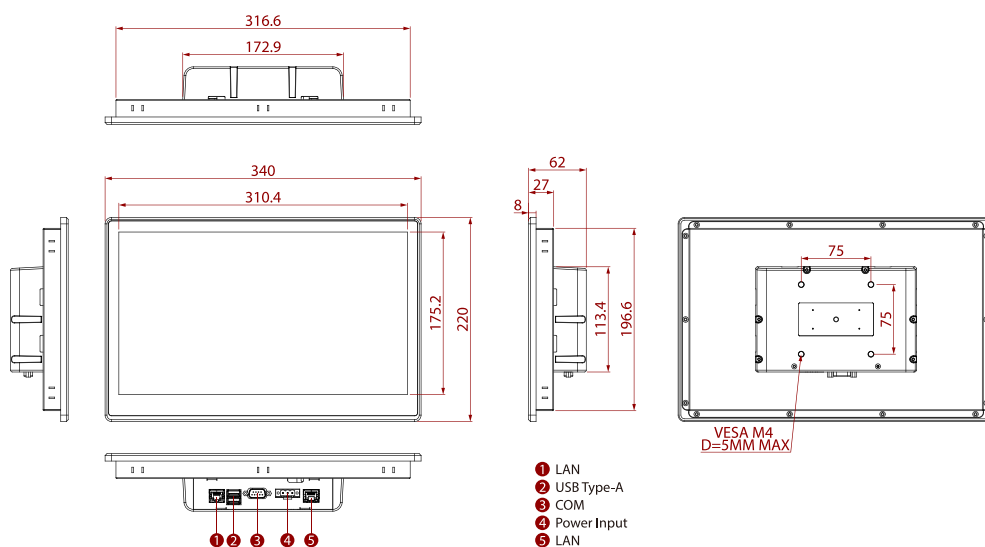|			
Power Input	1 x 12V DC, 2.5φ DC jack	**USB Port**	1 x USB3.2 Gen1x1 (Type-A) 1 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232)	**Expansion Port**	1 x M.2 2242 B-key Slot (for SATA II SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module)
LAN	2 x Giga LAN RJ45 Connector, One with PoE(PD, 802.3at)(Optional)		

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.

❶ LAN
❷ USB Type-A
❸ COM
❹ Power Input
❺ LAN

VESA M4
D=5MM MAX