W15IAN3S-EHA4

15.6" E Series HMI Panel PC with Intel® Processor N100

CE

FC

KEY FEATURES

- 15.6" 1920 x 1080 Resolution with Projected Capacitive MultiTouch (PCAP)
- Intel® Processor N100 6M Cache, up to 3.40 GHz
- Front IP65 Water and Dust Proof
- Dual Gigabit Ethernet
- Fanless cooling system and ultra-low power consumption

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.
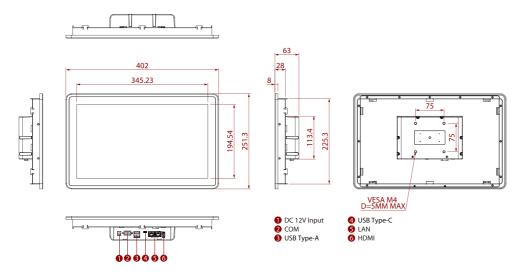
SPECIFICATIONS

Display

Resolution	1920x1080	**Size**	15.6 inches
Contrast Ratio	800:1	**Panel Brightness**	400.0 nits
View Angles	85,85,85,85	**Active Area**	344.16x193.59 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		

System Specification

WLAN	Support (Optional)	**BT**	Support (Optional)
Processor	Intel® Processor N100 6M Cache, up to 3.40 GHz	**Memory**	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional)
Storage	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)	**Ethernet controller**	2 x Intel® 2.5 Gigabit Ethernet Controller
Security	TPM 2.0	**Operating System**	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

Dimension	402 x 251.3 x 63 mm	**Weight**	2.7 kg
Mounting	Panel mount VESA mount (Optional)	**Enclosure**	Metal Housing
Cooling System	Fanless Design	**Cut out**	368.2 x 227.3 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 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)	Video	1 x HDMI 2.0 (Optional)
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

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

❶ DC 12V Input ❹ USB Type-C
❷ COM ❺ LAN
❸ USB Type-A ❻ HDMI

VESA M4
D=5MM MAX

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.

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