

# W15IAN3S-EHA4

15.6" E Series HMI Panel PC with Intel® Processor N150



CE

FC

## KEY FEATURES

- 15.6" 1920 x 1080 Resolution with Projected Capacitive MultiTouch (PCAP)
- Intel® Processor N150 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 W15IAN3S-EHA4 is a 15.6-inch E Series HMI Panel PC with Intel® Processor N150 engineered for machine control, factory automation, and operator HMI. It combines Intel® Processor N150, 15.6-inch display with 1920x1080 resolution, and IP65 to support reliable operation in harsh industrial environments. With Linux, Ubuntu, the W15IAN3S-EHA4 helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

## SPECIFICATIONS

### Display

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

### System Specification

|                  |                                                                                                         |                            |                                                                                                                                                  |
|------------------|---------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WLAN</b>      | Support (Optional)                                                                                      | <b>BT</b>                  | Support (Optional)                                                                                                                               |
| <b>Processor</b> | Intel® Processor N150 6M Cache, up to 3.60 GHz                                                          | <b>Memory</b>              | 8GB (Default)<br>16GB (Optional)                                                                                                                 |
| <b>Storage</b>   | 128GB SSD (Default)<br>256GB SSD (Optional)<br>512GB SSD (Optional)<br>1TB (Optional)<br>2TB (Optional) | <b>Ethernet controller</b> | 2 x Intel® 2.5 Gigabit Ethernet Controller                                                                                                       |
| <b>Security</b>  | TPM 2.0                                                                                                 | <b>Operating System</b>    | Windows 11 IoT Enterprise (64 bit) (Optional)<br>Windows 11 Pro 64 bit (Optional)<br>Linux Ubuntu 24.04(Do not support Wake on Touch) (Optional) |

### Mechanical

|                       |                   |                  |               |
|-----------------------|-------------------|------------------|---------------|
| <b>Dimension</b>      | 388 x 260 x 58 mm | <b>Weight</b>    | 2.8 kg        |
| <b>Mounting</b>       | Panel mount       | <b>Enclosure</b> | Metal Housing |
| <b>Cooling System</b> | Fanless Design    | <b>Cut out</b>   | 371x224mm     |

### Environment

|                            |                               |                              |             |
|----------------------------|-------------------------------|------------------------------|-------------|
| <b>Operating Humidity</b>  | 10% to 90% RH, Non-Condensing | <b>Operating Temperature</b> | 0°C to 50°C |
| <b>Storage Temperature</b> | -10°C to 60°C                 | <b>IP rating</b>             | 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)<br>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 2230 E-Key Slot (for Wi-Fi module) | LAN      | 2 x 2.5 Giga LAN RJ45 Connector                                                         |

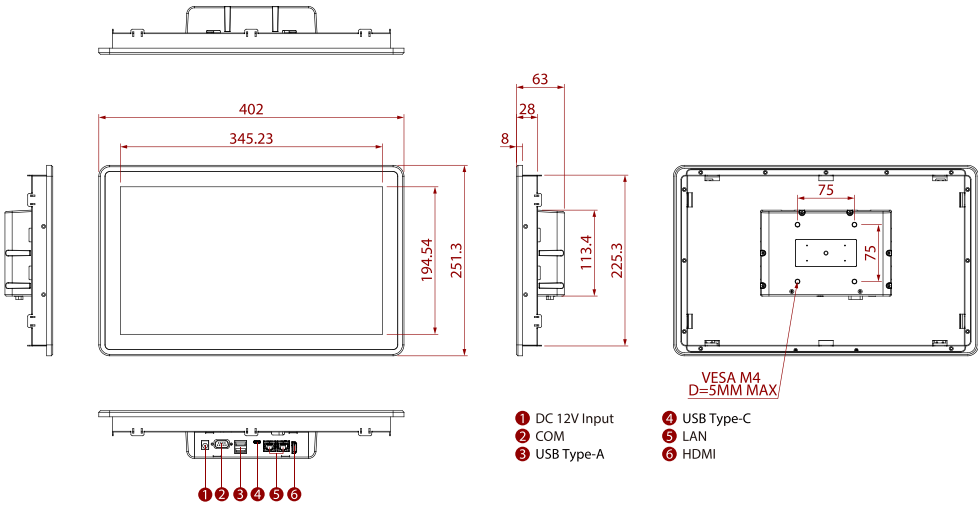
Accessory

|           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| Accessory | 100~240V AC to DC Adapter<br>Power Cord<br>VESA screws<br>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.
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