

# W14FA3S-EHA1

## 14" NXP i.MX6 E Series HMI Panel PC



CE  
FCC

### KEY FEATURES

- 14" 1920 x 1080 Resolution with Projected Capacitive MultiTouch (PCAP)
- NXP i.MX6 Dual Core 1 GHz
- Fanless cooling system and ultralow power consumption
- Front IP65 Water and Dust Proof
- 1 x USB ; 1 x RS232 / 422 / 485 ; 1 x CAN BUS ; 1 x Micro SD Slot ; 1 x Micro HDMI

### 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 ultralow 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	NXP i.MX6 Dual Core, 1.0GHz	Memory	1GB 2GB (Optional)
Storage	eMMC: Onboard 16 GB eMMC: Onboard 32 GB (Optional)	Operating System	Linux Ubuntu 18.04 (Optional) Android 6.0 (Optional) Debian 7.0 (Optional) Linux 4.1.15 QT 5.5 (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
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**IO Ports**

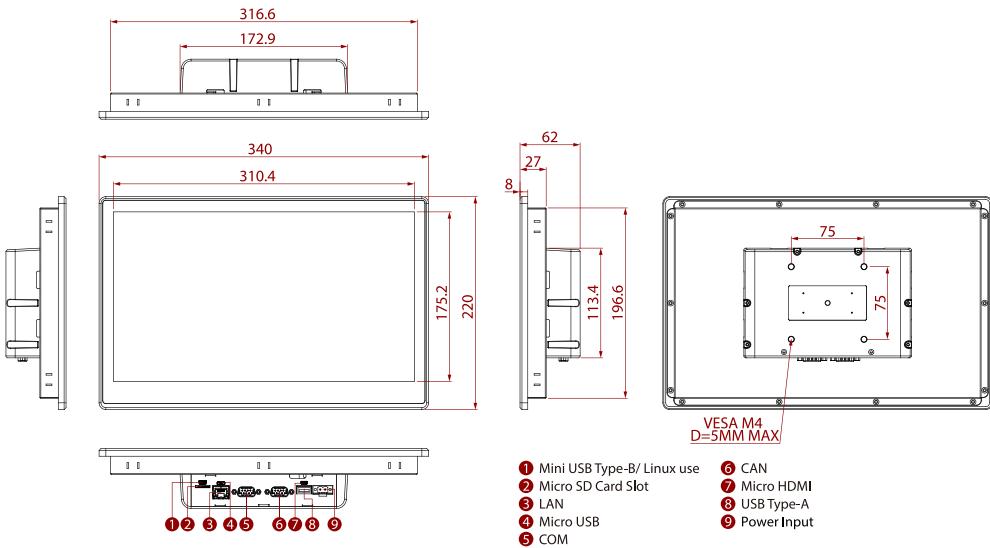
<b>Power Input</b>	1 x 12V DC, 2-Pin Terminal Block	<b>USB Port</b>	1 x Console Port (Mini USB) 1 x USB OTG 1 x USB2.0 (Type-A)
<b>Serial Port</b>	1 x RS232/422/485 (Default RS232)	<b>SD Card Slot</b>	1 x Micro SD card slot
<b>Video</b>	1 x Micro HDMI (Optional)	<b>Expansion Port</b>	1 x mPCIe slot(for Wi-Fi module)
<b>LAN</b>	1 x LAN RJ45 Connector with PoE(PD, 802.3 at)	<b>CANBUS</b>	1 x CANBUS, D-sub9

**Accessory**

<b>Accessory</b>	100~240V AC to DC Adapter Power Cord VESA screws Mounting clips
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**Power**

<b>Power Rating</b>	12V DC	<b>Adapter</b>	12V 50W
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**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.