

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 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	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

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

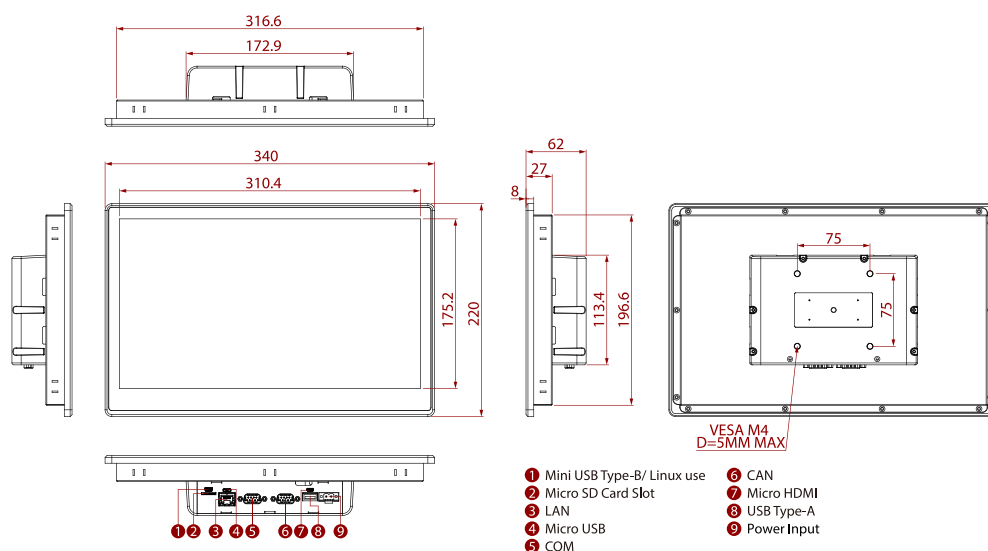
Accessory

Accessory	100~240V AC to DC Adapter Power Cord VESA screws Mounting clips
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Power

Power Rating	12V DC	Adapter	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.