

# W07MG3S-EHT1

## 7" ARM A78+A55 E Series HMI Panel PC



CE

FCC

### KEY FEATURES

- 7" 1024 x 600 Resolution with Projected Capacitive Multi-Touch (PCAP)
- ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz CPU
- Fanless cooling system and ultra-low power consumption
- Front IP65 Water and Dust Proof
- Android 13

### INTRODUCTION

Winmate E 시리즈 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, Android, and Linux, 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     | 1024x600                                | Size             | 7.0 inches  |
| Contrast Ratio | 1000:1                                  | Panel Brightness | 320.0 nits  |
| View Angles    | 75,75,75,70                             | Active Area      | 153.6x90 mm |
| Touch / Glass  | Projected Capacitive Multi Touch Screen |                  |             |

#### System Specification

|           |                                     |                  |                                                                                             |
|-----------|-------------------------------------|------------------|---------------------------------------------------------------------------------------------|
| Processor | ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz | Memory           | 4GB LPDDR4                                                                                  |
| Storage   | Onboard 32 GB                       | Operating System | Android 13<br>Linux Yocto 5.10.104 with QT 5.15 (Optional)<br>Linux Ubuntu 22.04 (Optional) |

#### Mechanical

|                |                           |           |                 |
|----------------|---------------------------|-----------|-----------------|
| Dimension      | 185 x 128 x 56 mm         | Weight    | 0.9 kg          |
| Mounting       | Panel mount<br>VESA mount | Enclosure | Plastic Housing |
| Cooling System | Fanless Design            | Cut out   | 175x118mm       |

#### Environment

|                     |                                       |                       |                                       |
|---------------------|---------------------------------------|-----------------------|---------------------------------------|
| Operating Humidity  | 10% to 90% RH, Non-Condensing         | Operating Temperature | 0°C to 50°C                           |
| Storage Temperature | -20°C to 60°C                         | Shock                 | MIL-STD-810H Method 516.8 Procedure I |
| Vibration           | MIL-STD-810H Method 514.8 Procedure I | IP rating             | Front IP65                            |

#### Certification

|               |         |  |  |
|---------------|---------|--|--|
| Certification | CE, FCC |  |  |
|---------------|---------|--|--|

#### IO Ports

|                     |                                                         |                    |                                   |
|---------------------|---------------------------------------------------------|--------------------|-----------------------------------|
| <b>USB Port</b>     | 2 x USB 2.0 Type A<br>1 x USB 2.0 Type C (OTG)          | <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 Output (Optional)  |
| <b>LAN</b>          | 1 x LAN 10/100/1000 Mbps<br>PoE(PD, 802.3at) (Optional) |                    |                                   |

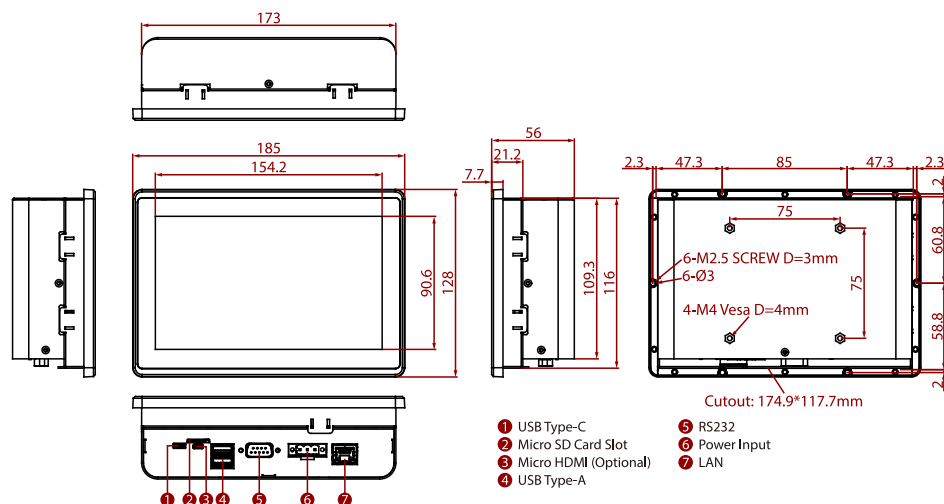
## Accessory

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

## Power

|                     |                            |                |         |
|---------------------|----------------------------|----------------|---------|
| <b>Power Rating</b> | 12V DC with Terminal Block | <b>Adapter</b> | 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.

# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 [www.autocont-ipc.cz](http://www.autocont-ipc.cz)



### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.