W07IM3S-EHT1
7" ARM A53 E Series HMI Panel PC

KEY FEATURES

- 7" 1024 x 600 Resolution with Projected Capacitive Multi-Touch (PCAP)
- ARM A53 Quad Core 2.0GHz CPU
- Fanless cooling system and ultra-low power consumption
- Front IP65 Water and Dust Proof
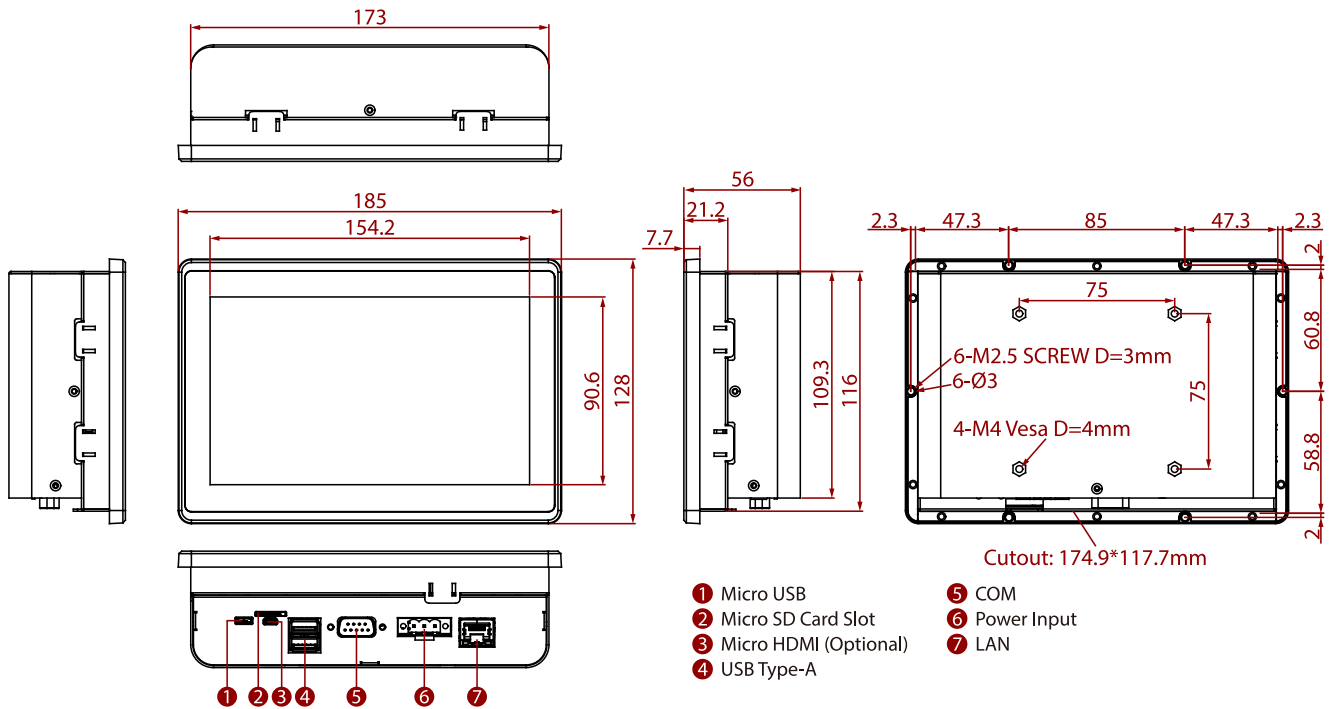- Android 11
- Support Android or Linux operating system

CE FC

SPECIFICATIONS

Display

Resolution	1024x600	Size	7 inches
Contrast Ratio	1000:1	Panel Brightness	320 nits
View Angles	75,75,75,70	Active Area	153.6x90 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		

System Specification

WLAN	Support (Optional)	BT	Support (Optional)
Processor	ARM A53 Quad Core 2.0GHz	Memory	4GB LPDDR4
Storage	32GB eMMC	Operating System	Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional)

Mechanical

Dimension	185 x 128 x 56 mm	Mounting	Panel Mount VESA Mount
Enclosure	Plastic Front Bezel with Metal Back Cover	Cooling System	Fanless design
Cut out	175x118 mm		

Environment

Operating Humidity	10% to 90% (noncondensing)	Operating Temperature	0~50°C
Storage Temperature	-20~60°C	Shock	MIL-STD-810G Method 516.6
Vibration	MIL-STD-810G Method 514.6	IP rating	Front IP65

Certification

Certification	CE, FCC

IO Ports

USB Port	2 x USB 2.0 Type A 1 x Micro USB 2.0 OTG	Serial Port	1 x RS232/422/485 (Default RS232)
SD Card Slot	1 x Micro SD card slot (Max to 32GB)	Video	1 x Micro HDMI Output (Optional)
LAN	1 x LAN 10/100/1000 Mbps		

Accessory

Accessory	100~240V AC to DC Adapter Power Cord

VESA screws
Manual
Mounting clips

Power

Power Rating	12V DC with Terminal Block	Adapter	12V 50W

DIMENSIONS UNIT:MM

❶ Micro USB ❺ COM
❷ Micro SD Card Slot ❻ Power Input
❸ Micro HDMI (Optional) ❼ LAN
❹ USB Type-A

NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. 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.
3. All specifications are subject to change without prior notice.