W07IM3S-ELT1

7" ARM A53 EL HMI Panel PC

KEY FEATURES

- 7" 1024 x 600 Resolution with P-Cap Multi-touch screen
- ARM A53 Quad Core 2.0GHz CPU
- Android 11 HMI panel pc
- 1 x USB , 1 x Micro USB, 1 x RS485 , 1 x RJ45 / LAN
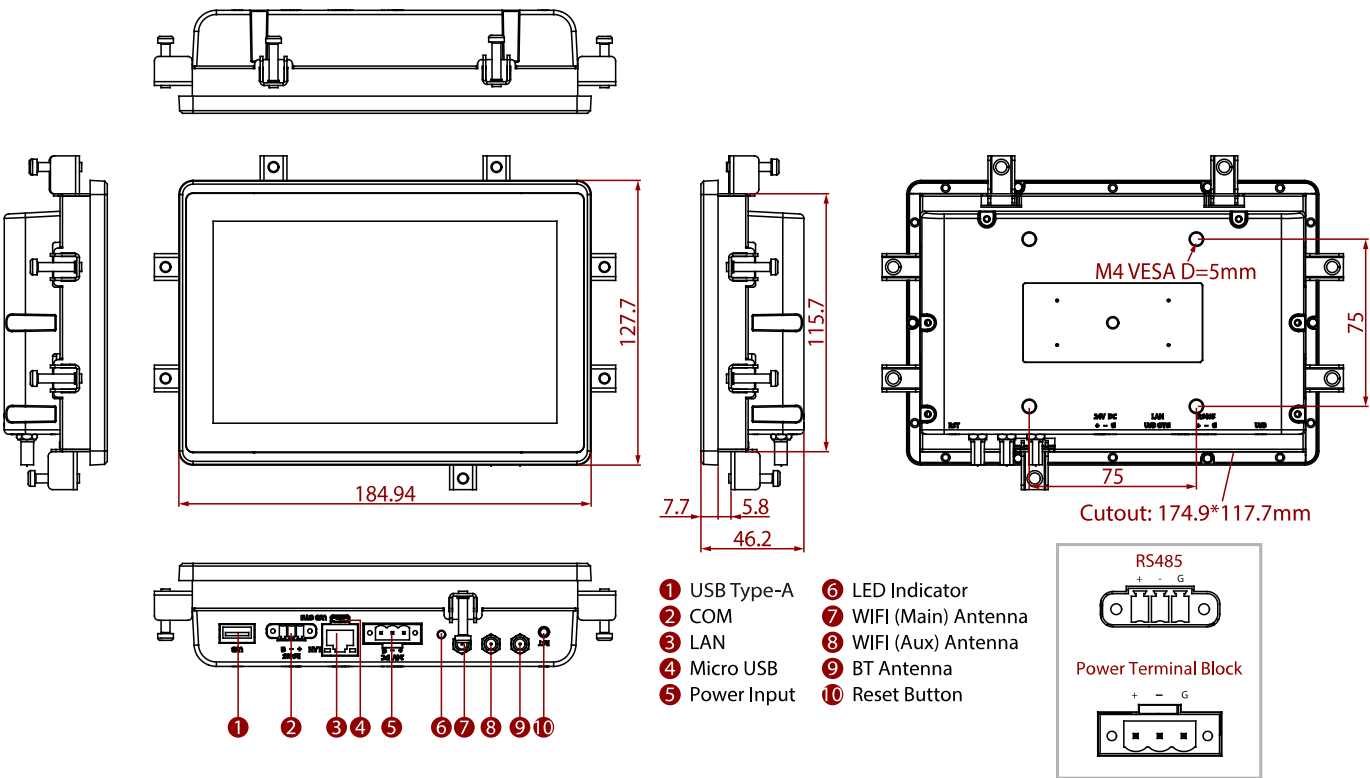- Support Android or Linux operating system

CE FC

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 A53 (Quad Core 2.0GHz)	**Memory**	4GB LPDDR4
Storage	eMMC: Onboard 32 GB	**Operating System**	Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu Server 22.04 (Optional)
WLAN	Support (Optional)	**BT**	Support (Optional)

Mechanical

Dimension	185 x 128 x 46 mm	**Weight**	0.6 kg
Mounting	Panel mount VESA Mount	**Enclosure**	Plastic Housing
Cooling System	Fanless Design	**Cut out**	174.9x117.7mm

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	**Operating Temperature**	-20°C to 50°C
Storage Temperature	-25°C to 70°C	**IP rating**	Front IP65

Certification

Certification	CE, FCC

IO Ports

USB Port	1 x USB 2.0 Type A 1 x Micro USB 2.0 OTG	**Serial Port**	1 x RS485, 3pin Terminal block
LAN	1 x LAN RJ45 Connector	**Indicator**	1 x LED Indicator for storage

Accessory

Accessory	Open Wire Cable with terminal block connector Mounting clips VESA screws	**Optional Accessory**	100~240V AC to DC Adapter Power Cord Terminal Block to 2.5Ø Female Adapter Cable Wi-Fi/BT Antenna

Power

Power Rating	12V~24V with 3Pin Terminal Block	Adapter	12V 36W (Optional)
Control			
Button	1 x Reset Button		

DIMENSIONS   UNIT:MM

① USB Type-A
② COM
③ LAN
④ Micro USB
⑤ Power Input
⑥ LED Indicator
⑦ WIFI (Main) Antenna
⑧ WIFI (Aux) Antenna
⑨ BT Antenna
⑩ Reset Button

RS485

Power Terminal Block

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.