

W07RK3S-EHT1, 7-inch E-Series HMI

Smartly Designed to Satisfy the Needs of Industrial Automation

The E-Series HMI - W07RK3S-EHT1 is a 7-inch panel PC ideal for industrial machinery, equipment, control and automation applications in various factory scenarios and comes in an easy to deploy panel mounted option with no-drill mounting. Ease of use, durability, reliability, and accurate controls are essential to the safe and efficient operation of monitoring systems, and Winmate's E-Series HMI was designed with all of these qualities in mind in a cost-effective package.



Highlights

- 7" 1024 x 600 Resolution with Projected Capacitive Multi-Touch (P-CAP)
- Arm® Dual-core Cortex®-A72 up to 2.0GHz + Quad-core Cortex®-A53 up to 1.5GHz
- Fanless cooling system and ultra-low power consumption
- Front IP65 Water and Dust Proof
- 1 x USB 3.0, 1 x USB 2.0; 1 x RS232/422/485; 1 x RJ45; 1 x Micro SD Slot; 1 x Micro HDMI; 1 x USB OTG
- Supports PoE function

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Display Specification

Size	7" TFT (Widescreen)
Resolution	1024 x 600
Brightness	320 nits (typ.)
Contrast Ratio	500:1 (typ.)
Viewing Angle	-70~70(H); -50~60(V)
Max Colors	16.7M
Touch	Projected Capacitive Multi-Touch (P-CAP)

System Specification

Processor	Arm Dual-core Cortex-A72 up to 2.0GHz + Quad-core Cortex-A53 up to 1.5GHz
System Memory	2GB LPDDR3L 1600 (Optional 4GB LPDDR3L)
Storage	16GB eMMC (default), Micro SD Card
Operating System	Android 7.1 (default)

Interface

Serial Ports	1 x RS-232/422/485
USB Ports	1 x USB 3.0, 1 x USB 2.0, 1 x USB OTG
SD Card Slot	1 x Micro SD Card Slot
Ethernet	1 x RJ 45-10/100/1000 Mbps LAN support PoE function
HMDI	1 x Micro HDMI

Power Management

Power Input	12V DC
Power Over Ethernet	Power Device (PD) follows IEEE 802.3at (25 W), IEEE 802.3af (15 W)
Power Consumption	9.3W

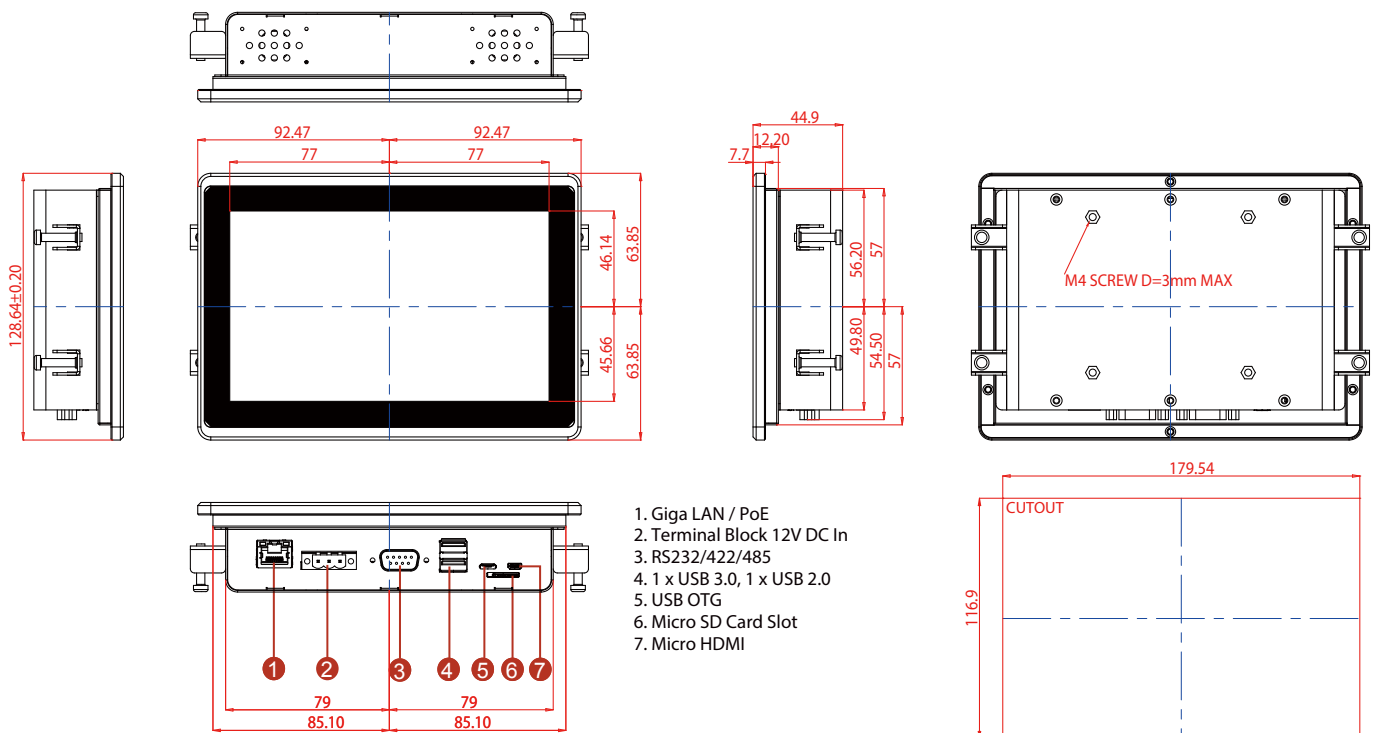
Mechanical and Environment

Cooling System	Fanless design
Mounting	VESA Mount(75x75mm), Mounting clips x 4
Dimensions (W x H x D)	184.94 x 127.7 x 44.9 (mm)
Design	Panel Mount Front IP65 Design

Environment

Operating Temperature	-10 °C to 50 °C
Operating Humidity	10% to 90% (non condensing)

Drawing



1. Giga LAN / PoE
2. Terminal Block 12V DC In
3. RS232/422/485
4. 1 x USB 3.0, 1 x USB 2.0
5. USB OTG
6. Micro SD Card Slot
7. Micro HDMI

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