# 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

**Winmate**

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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

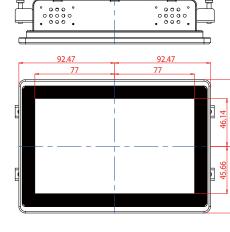| | |
|---|---|
| Cooling System | Fanless design |
| Mounting | VESA Mount(75x75mm),Mounting clips x 4 |
| Dimensions (W x H x D) | 184.94 x 127.7 x 44.9 (mm) |
| Design | Panel Mount Front IP65 Design |

### Environment

| | |
|---|---|
| Operating Temperature | -10 ºC to 50 ºC |
| Operating Humidity | 10% to 90% (non condensing) |

### Drawing
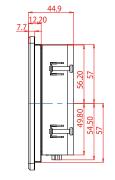


1. Giga LAN / PoE
2. Terminal Block 12V DC In
3. RS232/422/485
4. 1 x USB 3.0, 1 x USB 2.0
5. USB OTG
6. Micro SD Card Slot
7. Micro HDMI