W10RK3S-EHH2, 10.1-inch E-Series HMI

Smartly Designed to Satisfy the Needs of Industrial Automation

The E-Series HMI - W10RK3S-EHH2 is a 10.1-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

- 10.1" 1280 x 800 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	10.1" TFT (Widescreen)
Resolution	1280 x 800
Brightness	350 nits (typ.)
Contrast Ratio	800:1 (typ.)
Viewing Angle	-85~85 (H);-85~85(V)
Max Colors	16.7M
Touch	Projected Capacitive Multi-Touch (P-CAP) Optional anti-glare coating

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	12.9W

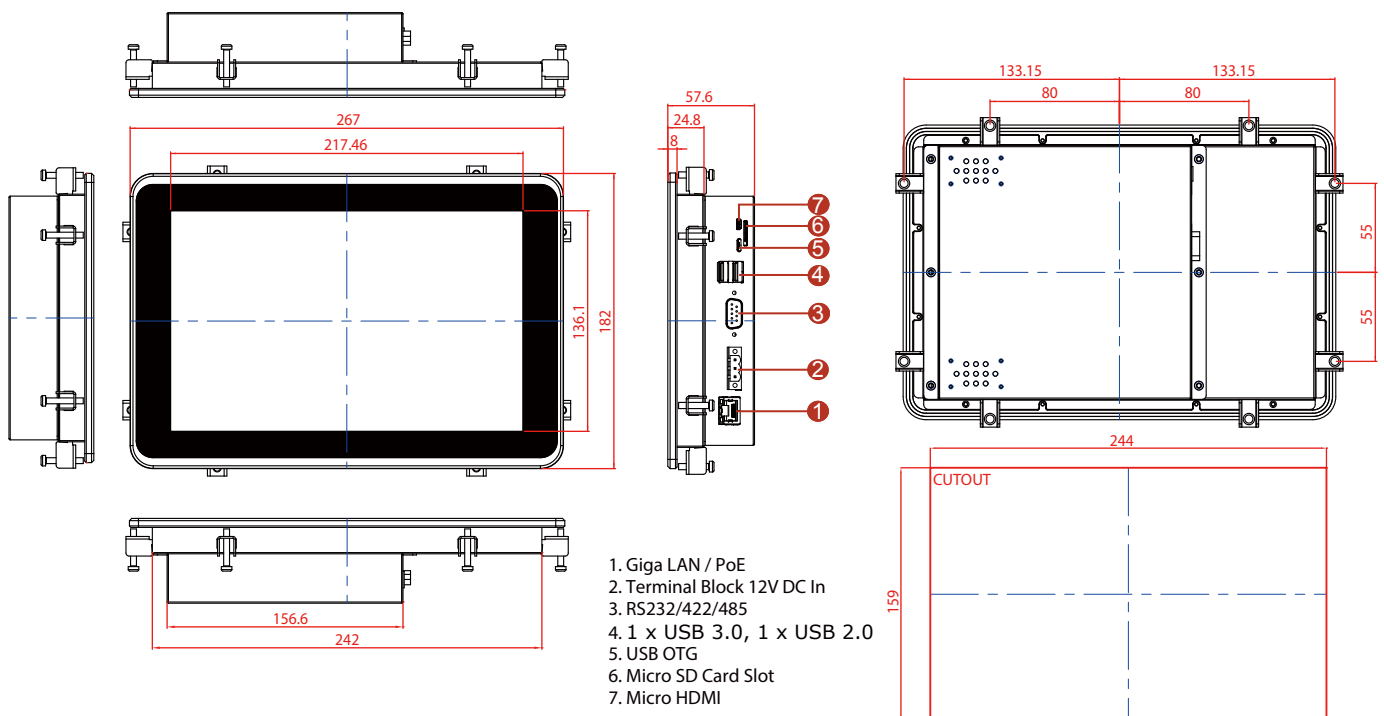### Mechanical and Environment

Cooling System	Fanless design
Mounting	Mounting clips x 8
Dimensions (W x H x D)	267x 182x 57.6 (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