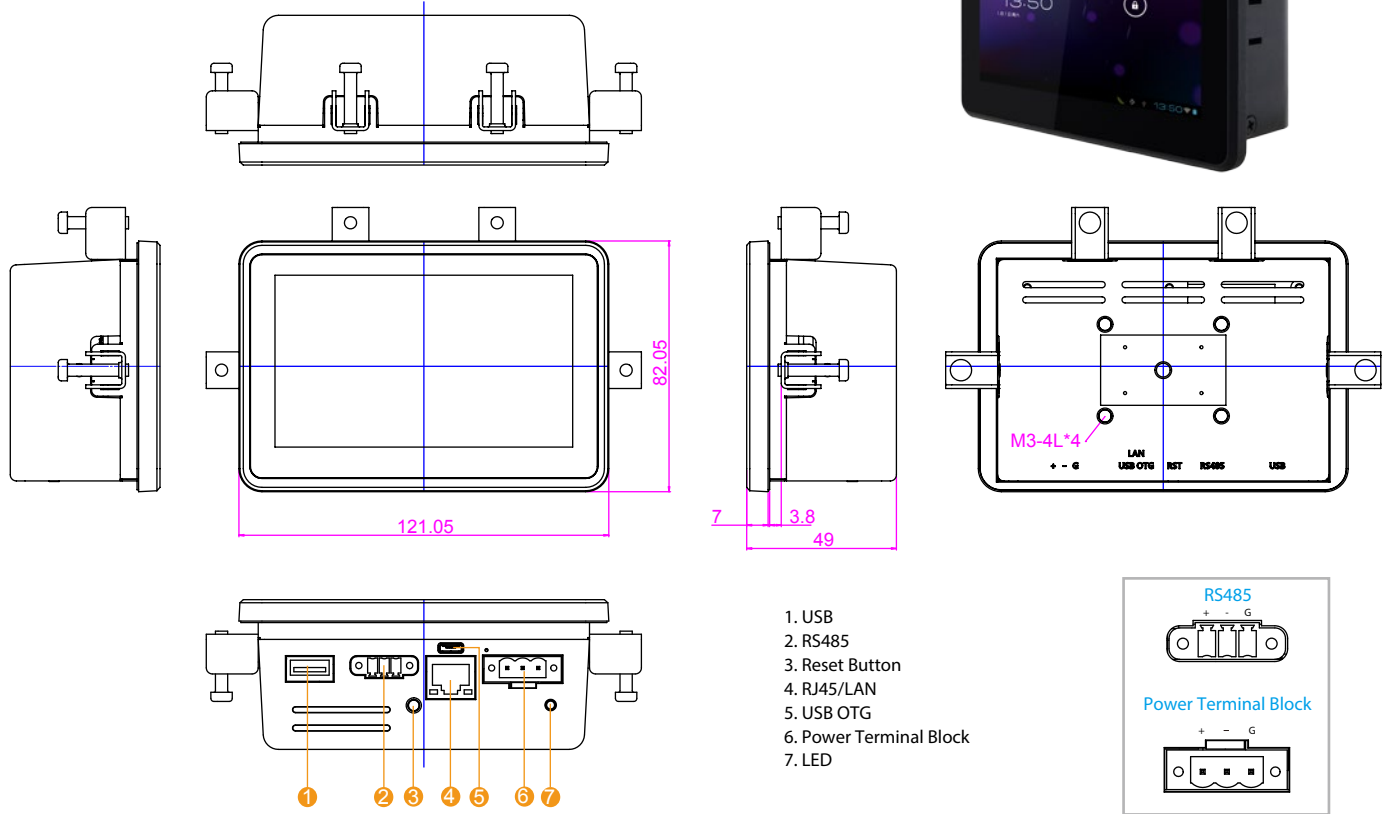


# Winmate EL-Series HMI

4.3" EL-Series HMI with Freescale i.MX6

W04FA3S-ELT1

- 4.3" 480 x 272 Resolution with P-Cap Multi-touch screen
- NXP A9 i.MX6 Dual Core 1GHz
- Fanless cooling system and Ultra-low power consumption
- Front IP65 Water and Dust Proof
- 1 x USB, 1 x USB OTG, 1 x RS485, 1 x RJ45 / LAN



## Specifications

### System :

- Processor : NXP A9 i.MX6 Dual Core 1GHz
- System Memory : 1GB LPDDR3
- Storage : Onboard 8GB eMMC

### Input / Output :

- USB Ports : 1 x USB 2.0 host, 1 x Micro USB OTG
- COM port : 1 x RS485
- Ethernet : 1 x RJ45, 10/100/1000
- Power Connector : 1 x Terminal block 3 pin

### Certifications :

- CE
- FCC
- Front IP : IP65
- Rear IP : IP20

### Power Specifications :

- Power Input : 12~24V DC in with isolation
- Power Consumption : 7W

### Display Spec :

- Size/Type : 4.3" TFT (Widescreen)
- Resolutions : 480x272
- Brightness : 400cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 1000 : 1 (typ.)
- Viewing Angle : -75~50(H); -75~75(V)
- Max Colors : 16.7M (8bit)
- Touch : Projected Capacitive Multi-Touch (P-CAP)

### Mechanical Specification :

- Cooling System : Fanless design
- Mounting : Mounting clips x 4
- Dimension (W x H x D) : 121 x 82 x 49 (mm)

### Environment Considerations :

- Operating Temperature : -20 deg.C to 50 deg.C
- Storage Temperature : -25 deg.C to 70 deg.C
- Operating Humidity : 10% to 90% (non-condensing)

### OS support:

- Operation System : Android 6.0  
Ubuntu 16.04