# W10FA3S-EHH2

## 10.1" NXP i.MX6 E Series HMI Panel PC

### KEY FEATURES

- 10.1" 1280 x 800 PCAP touchscreen
- NXP i.MX6 Dual Core
- Fanless cooling system
- Front IP65
- 1 x USB ; 1 x RS232 /422/485; 1 x CAN BUS; 1 x Micro SD Slot ; 1 x Micro HDMI

## OVERVIEW

### True Flat (Easy-to-clean)

True Flat surface is not only for a stylish look, elegant for aesthetically pleasant look that fits in modern interiors and exteriors. It is easy to maintain and clean. No more clogged dust on edges.
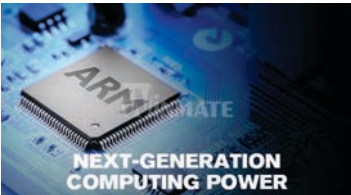
### Power over Ethernet (Data and Power connections in a single cable)

The hardware installation becomes easier with Power over Ethernet. PoE reduces the number of cables needed for the connection of various devices. This infrastructure allows to centralized power management, therefore it is a cost-effective solution for access control, home and industrial automation.

### Next generation computing power

The Winmate HMI delivers next-generation ARM processing power and a highly versatile complement for industrial IoT, providing high computing performance with low power consumption.
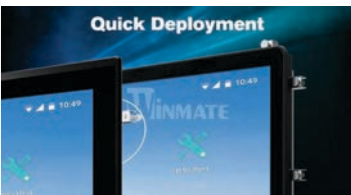
### P-Cap Touch (Resistant to scratches)

The glass cover lens provides a great protection from scratches. P-Cap Touch supports 4-point multi-touch and can easily be controlled by fingers. This technology allows enjoying every touch and improving convenience of using the device. Thus it helps to enhance overall customer experience.
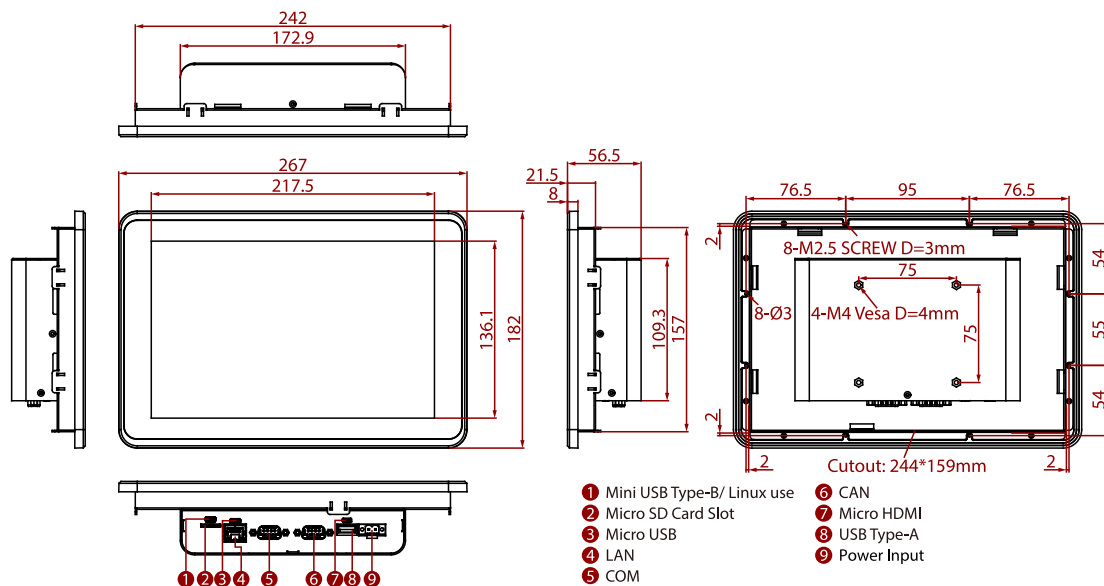
### Mounting clips (Quick installation)

With mounting clips for panel mounting there is no need to drill holes in a fixture. This saves you the time for mounting and guarantee aesthetic look of the wall after the unit gets removed.

## SPECIFICATIONS

### Display

| | | | |
|---|---|---|---|
| Resolution | 1280x800 | Size | 10.1 inches |
| Contrast Ratio | 800:1 | Panel Brightness | 350.0 nits |

| View Angles | 85,85,85,85 | Active Area | 216.96x135.6 mm |
|---|---|---|---|
| Touch / Glass | Projected Capacitive Multi Touch Screen | | |

## System Specification

| | | | |
|---|---|---|---|
| Processor | NXP i.MX6 Dual Core, 1.0GHz | Memory | 1GB<br>2GB (Optional) |
| Storage | eMMC: Onboard 16 GB<br>eMMC: Onboard 32 GB (Optional) | Operating System | Linux Ubuntu 18.04 (Optional)<br>Android 6.0 (Optional)<br>Debian 7.0 (Optional)<br>Linux 4.1.15 QT 5.5 (Optional) |

## Mechanical

| | | | |
|---|---|---|---|
| Dimension | 267 x 182 x 56.5 mm | Weight | 1.5 kg |
| Mounting | Panel mount<br>VESA Mount | Enclosure | Metal Housing |
| Cooling System | Fanless design | Cut out | 244 x 159 mm |

## Environment

| | | | |
|---|---|---|---|
| Operating Humidity | 10% to 90% RH, Non-Condensing | Operating Temperature | 0°C to 50°C |
| Storage Temperature | -10°C to 60°C | IP rating | Front IP65 |

## Certification

| | |
|---|---|
| Certification | CE, FCC |

## IO Ports

| | | | |
|---|---|---|---|
| Power Input | 1 x 12V DC, 2-Pin Terminal Block | USB Port | 1 x Console Port (Mini USB)<br>1 x USB OTG<br>1 x USB2.0 (Type-A) |
| Serial Port | 1 x RS232/422/485 (Default RS232) | SD Card Slot | 1 x Micro SD card slot |
| Video | 1 x Micro HDMI (Optional) | Expansion Port | 1 x mPCIe slot(for Wi-Fi module) |
| LAN | 1 x LAN RJ45 Connector with PoE(PD, 802.3 at) | CANBUS | 1 x CANBUS, D-sub9 |

## Accessory

| | |
|---|---|
| Accessory | 100~240V AC to DC Adapter<br>Power Cord<br>VESA screws<br>Mounting clips |

## Power

| | | | |
|---|---|---|---|
| Power Rating | 12V DC | Adapter | 12V 50W |

## DIMENSIONS  UNIT:MM



1. Mini USB Type-B/ Linux use
2. Micro SD Card Slot
3. Micro USB
4. LAN
5. COM
6. CAN
7. Micro HDMI
8. USB Type-A
9. Power Input

## 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.

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