



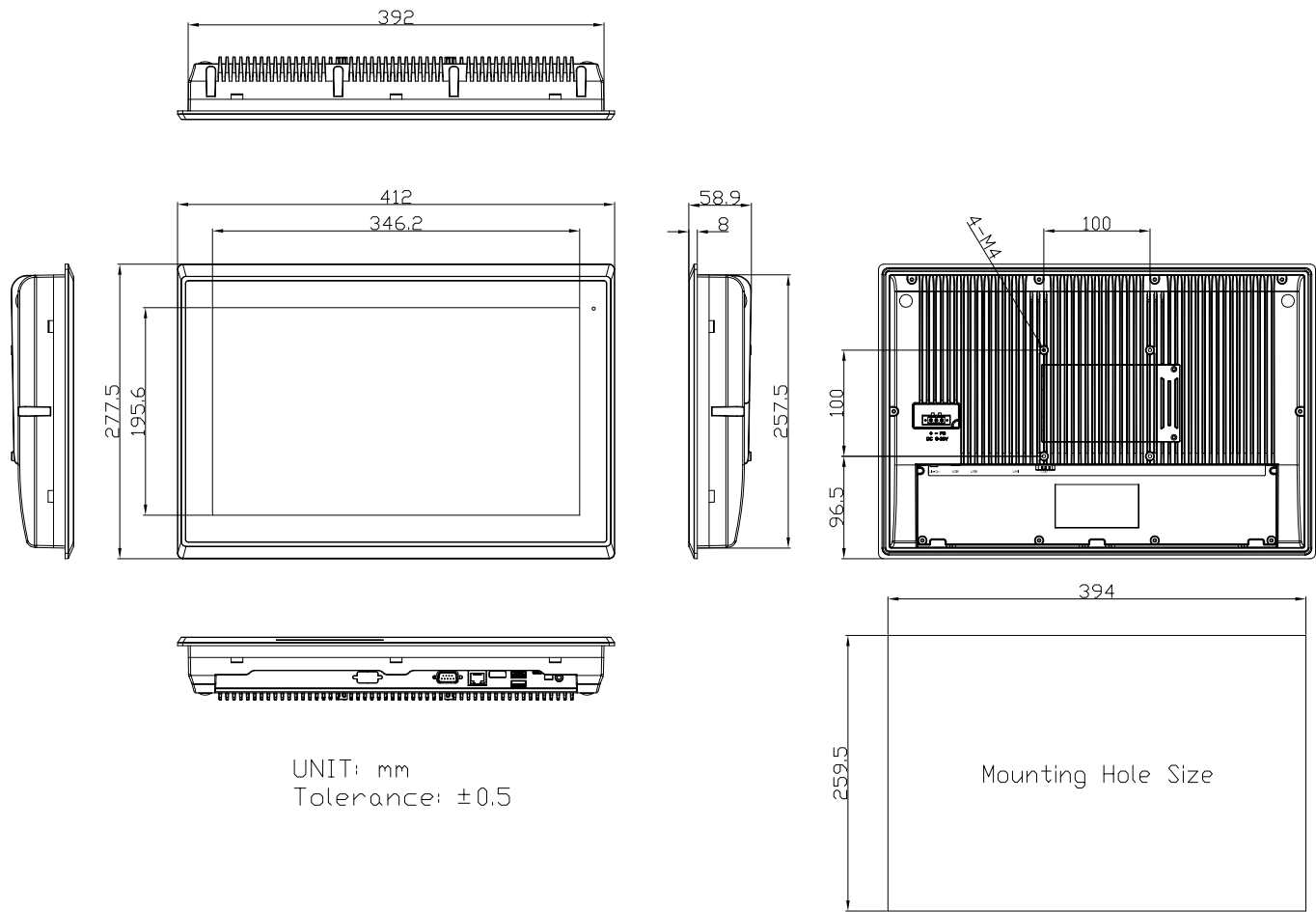
Features

- ARM Based HMI
- Fanless design
- Flat front panel touch screen
- Freescale i.MX6 DualLite ARM Cortex A9 processor
- Onboard 1GB DDR3 DRAM
- Onboard 4GB eMMC Flash
- DC 9~36V wide-ranging power input
- LED backlight LCD
- Resistive touch window/Projected capacitive touch

Specifications

| System                         |                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------|
| CPU                            | Freescale i.MX6 Dual Lite, ARM Cortex A9(2x Cores,1.0GHz)                                        |
| System Chipset                 | NA                                                                                               |
| Memory                         | Onboard 1GB DDR3 DRAM                                                                            |
| External IO Port               |                                                                                                  |
| USB                            | 2 x USB 2.0 type A<br>1 x USB 2.0 (Micro B Type)                                                 |
| Serial / Parallel              | 1 x RS-232/422/485 DB9 , default RS-232                                                          |
| LAN                            | 1 x GbE LAN RJ-45 (POE for option)                                                               |
| Audio                          | 1 x Speaker-out(Optional)                                                                        |
| Power                          | 1 x 3-pin terminal block connector                                                               |
| Option                         | TB-508CAN1<br>TB-508C1                                                                           |
| Storage Space                  |                                                                                                  |
| HDD                            | Onboard 4GB eMMC NAND Flash                                                                      |
| Movable device                 | 1 x micro SD slot                                                                                |
| Expansion                      |                                                                                                  |
| Onboard expansion bus          | 1 x mini-PCIe slot(full size)<br>1 x Sim Card slot                                               |
| Dispalay                       |                                                                                                  |
| Display Type                   | 15.6" TFT-LCD                                                                                    |
| Max. Resolution                | 1366 x 768                                                                                       |
| Max. Color                     | 16.7M                                                                                            |
| Luminance (cd/m <sup>2</sup> ) | 300                                                                                              |
| View Angle                     | 160(H) /160(V)                                                                                   |
| Contrast                       | 500:1                                                                                            |
| Backlight Lifetime             | 50,000 hrs                                                                                       |
| Touch Screen                   |                                                                                                  |
| Type                           | Resistive Touch (for R Model)<br>Projected Capacitive Touch (for P Model)<br>Glass (for G model) |
| Interface                      | SPI(Resistive Touch) / USB(Projected Capacitive Touch)                                           |
| Light Transmission(%)          | Resistive Touch : 80%<br>Projected Capacitive : 90%                                              |
| Power                          |                                                                                                  |
| Power Input                    | DC 9~36V                                                                                         |
| Power Consumption              | ARMPAC-616P: 15.8W (MAX)                                                                         |

Dimensions



| Mechanical                                          |                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction                                        | Aluminum die-casting Chassis                                                                                                                                            |
| Mounting                                            | Panel Mount , VESA mount 100x100                                                                                                                                        |
| IP Rating                                           | IP66 compliant front bezel                                                                                                                                              |
| Dimensions                                          | 412 x 277.5 x 58.9 mm                                                                                                                                                   |
| Net Weight                                          | 4.3 kg                                                                                                                                                                  |
| Environmental                                       |                                                                                                                                                                         |
| Operating Temperature                               | 0~50°C                                                                                                                                                                  |
| Storage Temperature                                 | -30~70°C                                                                                                                                                                |
| Humidity                                            | 10 to 95% @ 40°C, non- condensing                                                                                                                                       |
| Certificate                                         | CE/FCC Class A / UL                                                                                                                                                     |
| Operating System Support                            |                                                                                                                                                                         |
| Android 6.0.1 / Linux 4.9.88 + Chromium Browser V67 |                                                                                                                                                                         |
| Ordering Information                                |                                                                                                                                                                         |
| ARMPAC-616                                          | 15.6" fanless HMI barebone with Freescale i.MX6 DualLite ARM Cortex A9,1GB DDR3 RAM,4GB eMMC, Resistive touch, 9~36VDC input with adapter, Aluminum chassis.            |
| ARMPAC-616P                                         | 15.6" fanless HMI barebone with Freescale i.MX6 DualLite ARM Cortex A9,1GB DDR3 RAM,4GB eMMC, Projected capacitive touch, 9~36VDC input with adapter, Aluminum chassis. |