

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 SDRAM |

| External IO Port | |
|-------------------|--|
| USB | 2 x USB 2.0 type A 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 TB-508C1 |

| Storage Space | |
|----------------|-----------------------------|
| HDD | Onboard 4GB eMMC NAND Flash |
| Movable device | 1 x micro SD slot |

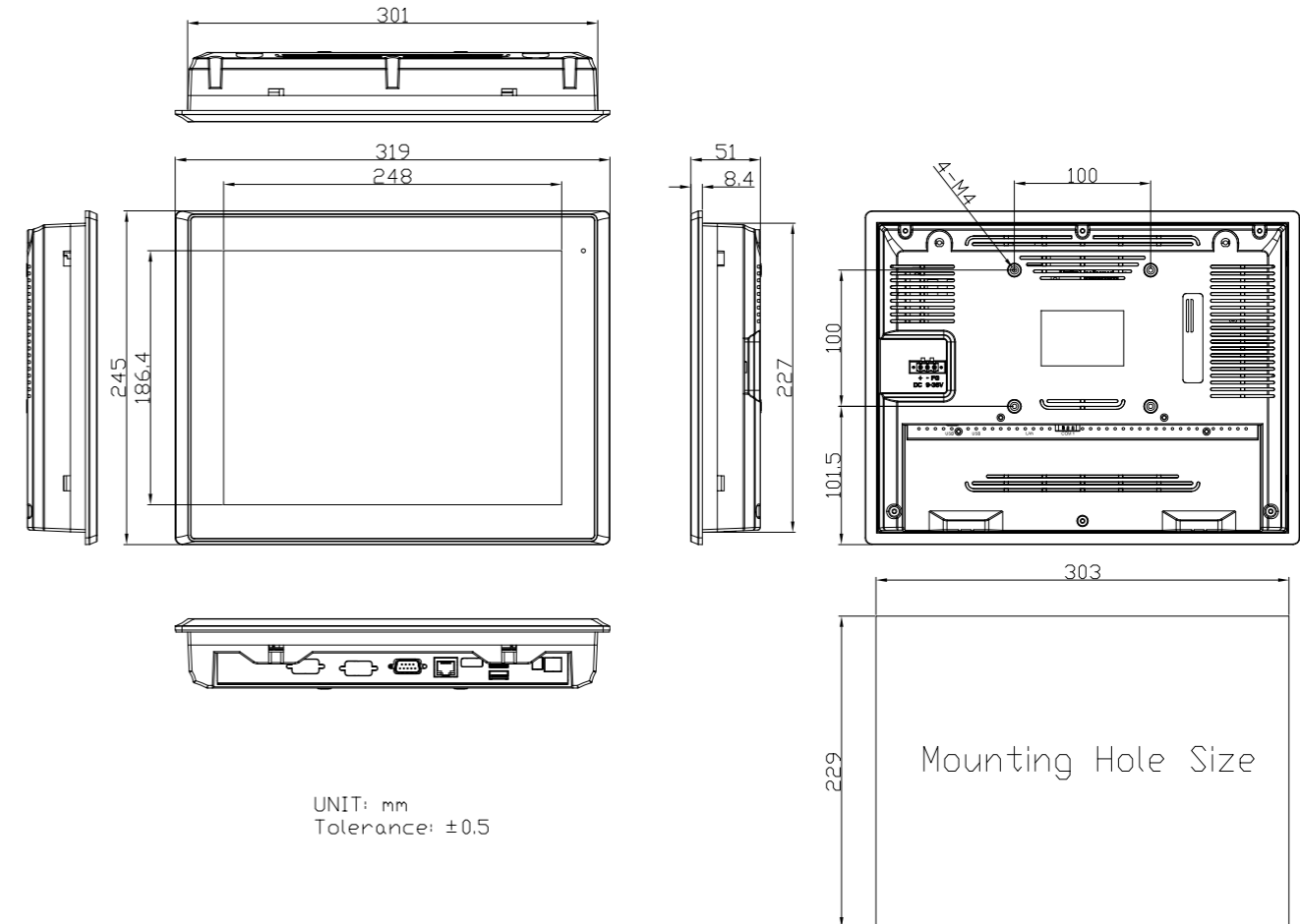
| Expansion | |
|-----------------------|--|
| Onboard expansion bus | 1 x mini-PCIe slot(full size) 1 x Sim Card slot |

| Display | |
|--------------------------------|-------------------------------|
| Display Type | 12.1" TFT-LCD |
| Max. Resolution | 800 x 600 / 1024 x 768 |
| Max. Color | 262K / 262K |
| Luminance (cd/m ²) | 450 / 500 |
| View Angle | 178(H)/178(V) / 160(H)/140(V) |
| Contrast | 1500:1 |
| Backlight Lifetime | 50,000 hrs / 30,000 hrs |

| Touch Screen | |
|-----------------------|---|
| Type | Resistive Touch (For R model) Projected Capacitive Touch (For P model) |
| Interface | SPI(Resistive Touch) / USB(Projected Capacitive Touch) |
| Light Transmission(%) | Resistive Touch : 80% / Projected Capacitive : 90% |

| Power | |
|-------------------|--------------------|
| Power Input | DC 9~36V |
| Power Consumption | ARMPAC-612P: 10.8W |

Dimensions



| Mechanical | |
|--------------|----------------------------------|
| Construction | Plastic front bezel and Chassis |
| Mounting | Panel Mount , VESA mount 100x100 |
| IP Rating | IP65 compliant front bezel |
| Dimensions | 319 x 245 x 51 mm |
| Net Weight | 1.5 kg |

| Environmental | |
|-----------------------|-----------------------------------|
| Operating Temperature | 0~50°C |
| Storage Temperature | -20~60°C |
| Storage Humidity | 10 to 90% @ 40°C, non- condensing |
| Certificate | CE/FCC Class A/UL |

| Operating System Support | |
|------------------------------|--|
| Android 6.0.1 / Linux 4.1.15 | |

| Ordering Information | |
|----------------------|---|
| ARMPAC-612 | 12.1" SVGA fanless HMI barebone with Freescale i.MX6 DualLite ARM Cortex A9, 1GB DDR3 RAM, 4GB eMMC, Resistive touch, 9~36VDC input with adapter, plastic chassis. |
| ARMPAC-612P | 12.1" SVGA fanless HMI barebone with Freescale i.MX6 DualLite ARM Cortex A9, 1GB DDR3 RAM, 4GB eMMC, Projected capacitive touch, 9~36VDC input with adapter, plastic chassis. |



Backplane Systems Technology

Backplane Systems Technology Pty Ltd

TEL 02 9457 6400
sales@backplane.com.au
www.backplane.com.au