

ARMPAC-616P



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 DualLite ARM Cortex A9 processor 1.0GHz |
| Memory | Onboard 1GB DDR3 DRAM |

External I/O 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 DB-9, COM1 |
| LAN | 1 x LAN Port |
| Power | 1 x 9~36V DC Power Input via 1 x 3-pin Terminal Block |
| Option | TB-508 WIFI/3G Module via Mini-PCIe |

Internal I/O Port

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|------------------|--|
| Internal IO Port | 1 x SIM card slot 1 x Micro SD slot |
|------------------|--|

Storage Space

| | |
|---------|-----------------------------|
| Storage | Onboard 4GB eMMC NAND Flash |
|---------|-----------------------------|

Expansion

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|------------------------|------------------------------|
| On board expansion bus | 1 x Mini PCIe slot full size |
|------------------------|------------------------------|

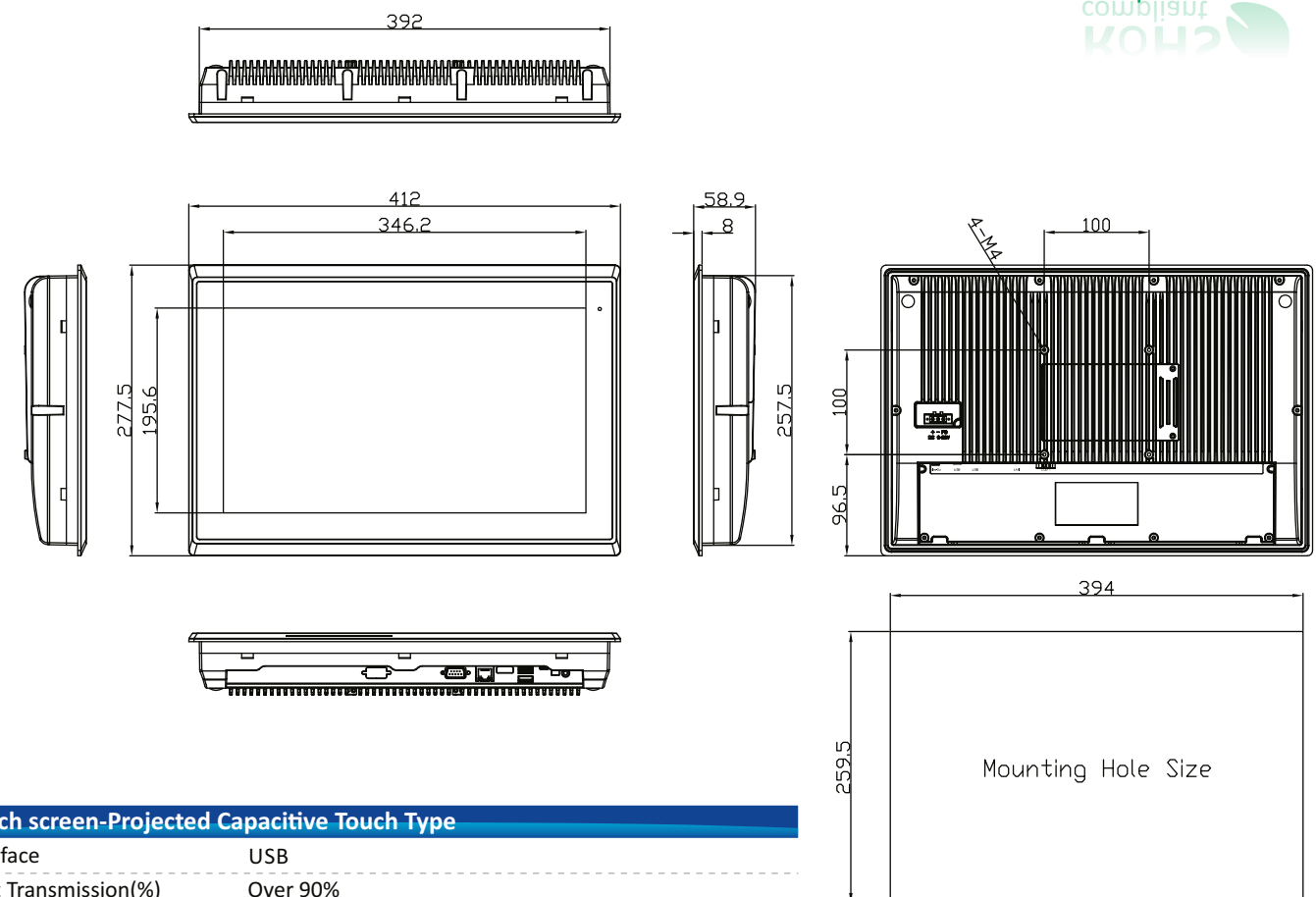
Display

| | |
|--------------------------------|--------------------------|
| Display Type | 15.6" TFT-LCD |
| Max. Resolution | 1366 x 768 / 1920 x 1080 |
| Max. Color | 16.7M |
| Luminance (cd/m ²) | 300 |
| Viewing Angle (H°/V°) | 160 (H) / 160 (V) |
| Contrast Ratio | 500: 1 |
| Backlight Lifetime | 50,000 hrs |

Touch screen- Resistive Touch Window Type

| | |
|-----------------------|----------|
| Interface | SPI |
| Light Transmission(%) | Over 80% |

Dimensions



Touch screen-Projected Capacitive Touch Type

| | |
|-----------------------|----------|
| Interface | USB |
| Light Transmission(%) | Over 90% |

Power

| | |
|-------------------|----------|
| Power Input | 9~36V DC |
| Power Consumption | TBD |

Mechanical

| | |
|---------------|---------------------------|
| Front Bezel | Aluminum / Panel Mounting |
| Rear Bezel | Aluminum / VESA 100 x 100 |
| Chassis Color | RAL 9007 |
| IP Rating | IP66 |
| Dimensions | 412 x 277.5 x 58.9 mm |

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 |

Operating System Support

Android® 6.0.1 / Linux® 4.1.15 + QT 5.6.2

Ordering Information

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|--------------------|--|
| ARMPAC-616R | 15.6" WXGA fanless HMI barebone with Freescale i.MX6 DualLite ARM Cortex A9, 1GB DDR3 RAM, 4GB eMMC, Resistive touch, 9~36V DC input without Power Adapter, Aluminum Chassis |
| ARMPAC-615P | 15.6" WXGA fanless HMI barebone with Freescale i.MX6 DualLite ARM Cortex A9, 1GB DDR3 RAM, 4GB eMMC, P. Capacitive touch, 9~36V DC input without Power Adapter, Aluminum Chassis |



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