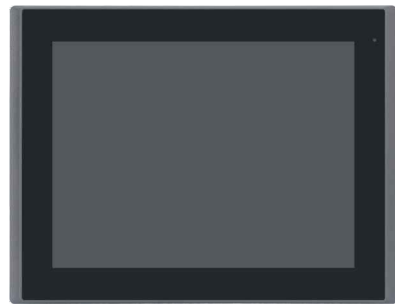


ARMPAC-612P



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

Internal IO Port	1 x SIM card slot 1 x Micro SD slot
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Storage Space

Storage	Onboard 4GB eMMC NAND Flash
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Expansion

On board expansion bus	1 x Mini PCIe slot full size
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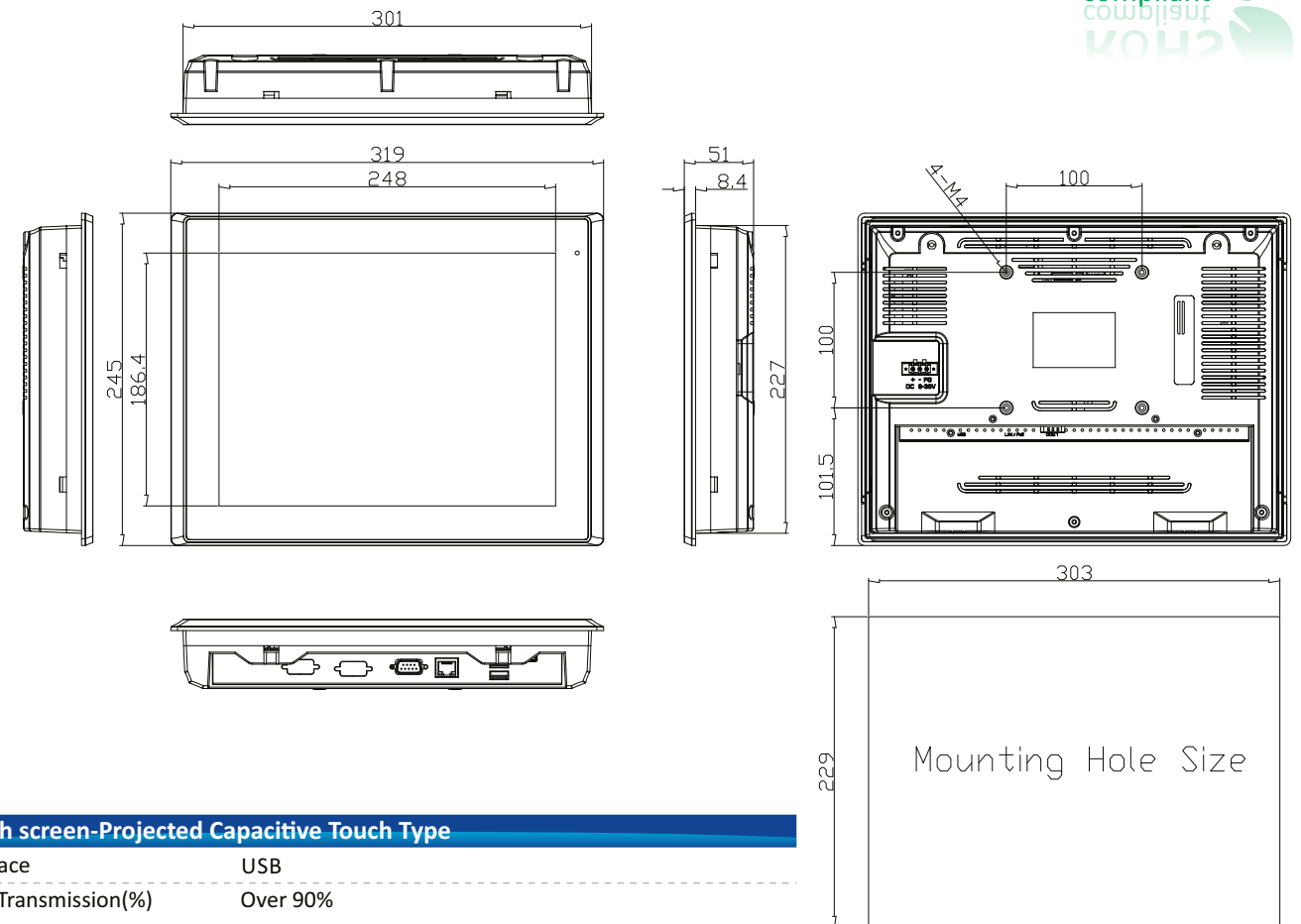
Display

Display Type	12.1" TFT-LCD
Max. Resolution	800 x 600
Max. Color	262K
Luminance (cd/m ²)	450
Viewing Angle (H°/V°)	160 (H) / 150 (V)
Contrast Ratio	800: 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	Max: 10.8W

Mechanical

Front Bezel	Plastic / Panel Mount
Rear Bezel	Plastic / VESA 100 x 100
Chassis Color	Pantone Cool Gray 11C
IP Rating	IP65 Front Panel
Dimensions	319 x 245 x 51 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

ARMPAC-612R	12.1" SVGA 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, plastic Chassis
ARMPAC-612P	12.1" SVGA 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, plastic Chassis

