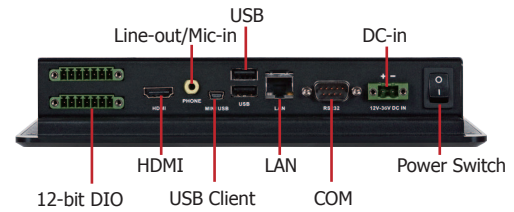# KS210-IMX6

Freescale

Features

- **7" TFT Touch Screen Fanless Panel PC**
- **2GB DDR3 memory down**
- **4GB eMMC onboard**
- **1 SD card socket**
- **1 HDMI, 2 USB 2.0, 1 USB Client, 1 LAN, 2 COM, 12-bit DIO**
- **Wide voltage 12~36V DC-in**

| SD Card | Android | HDMI | 12-bit DIO | Wide Voltage |

Fanless · freescale Connect Partner · FC · CE · RoHS

Panel

USB
Line-out/Mic-in
DC-in

SD   COM

HDMI   LAN   Power Switch
12-bit DIO   USB Client   COM

Top View   **Bottom View**

2 1W built-in speakers

Side View

Dimensions

10.20   214.60   10.20

43.80   37.80

Top View

6.00

235.00   15.10

150.00   105.14

29.76

Left View   **Front View**   **Right View**

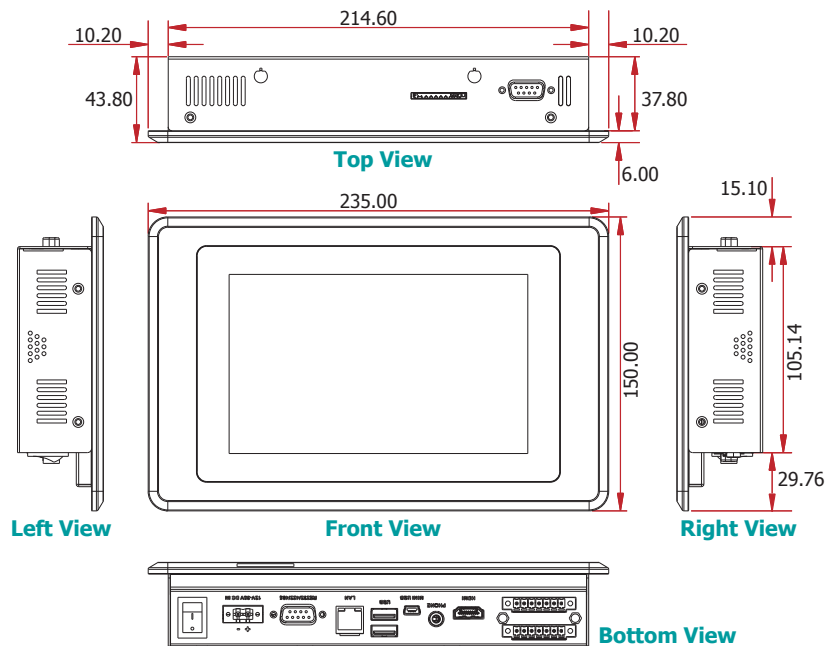**Bottom View**

KS210-IMX6

▶ **Specifications** *Optional and is not supported in standard model. Please contact your sales representative for more information.*

PROCESSOR
- Freescale i.MX 6 series processor
  - i.MX6L: i.MX 6DualLite at 1.0GHz, two cortex-A9 cores

SYSTEM MEMORY
- 2GB DDR3 memory down

LCD and TOUCH SCREEN
- 7" (1024x600) WSVGA TFT touch screen LCD
- 400 NITS
- Projected capacitive touch screen

STORAGE
- 1 SD card socket
- Supports 4GB eMMC onboard

ONBOARD LAN FEATURES
- One Atheros AR8033 Ethernet PHY
- Supports 10Mbps, 100Mbps and 1Gbps data transmission

AUDIO
- 2 built-in 1W speakers (left and right sides)

I/O PORTS
- Bottom
  - 1 DB-9 RS232 serial port
  - 1 HDMI port
  - 1 USB Client port (Type Mini B)
  - 2 USB 2.0/1.1 ports (Type A)
  - 1 Line-out/Mic-in jack
  - 1 2-pole terminal block DC-in
  - 1 LAN port
  - 12-bit DIO 7-pole terminal block (6-bit in/ 6-bit out)
  - 1 Power switch
- Side
  - 2 built-in 1W speakers (left and right sides)
- Top
  - 1 SD card socket
  - 1 DB-9 RS232/422/485 serial port

EXPANSION SLOTS
- 1 Mini PCIe slot
  - Supports PCIe and USB signals
  - Supports full size Mini PCIe card
- 1 mSATA slot (Mini PCIe type)
- 1 SIM card socket
  - Reserved for 3G/LTE module

POWER
- Power input voltage: 12~36V DC-in

FRONT PANEL PROTECTION
- IP65 (Dust Tight; Water Proof protection)

CONSTRUCTION
- Aluminum front bezel, rugged metal housing

MOUNTING
- Wall mount (VESA 75x75)
- Panel mount (Mounting clamp)

ENVIRONMENT
- Temperature
  - Operating: 0℃ ~ 60℃
  - Storage: -30℃ ~ 80℃
- Relative Humidity
  - 85% RH at 65℃

VIBRATION
- Sweep frequency: 10~500~10 Hz/1min
- Amplitude: 0.75mm
- IEC 68-2-64 compliant

SHOCK
- Operating: 3G peak acceleration (11 m sec. duration)
- Non-operating: 10G peak acceleration (11 m sec. duration)
- IEC 68-2-64 compliant

DIMENSIONS
- 235mm x 150mm x 43.80mm (W x H x D)
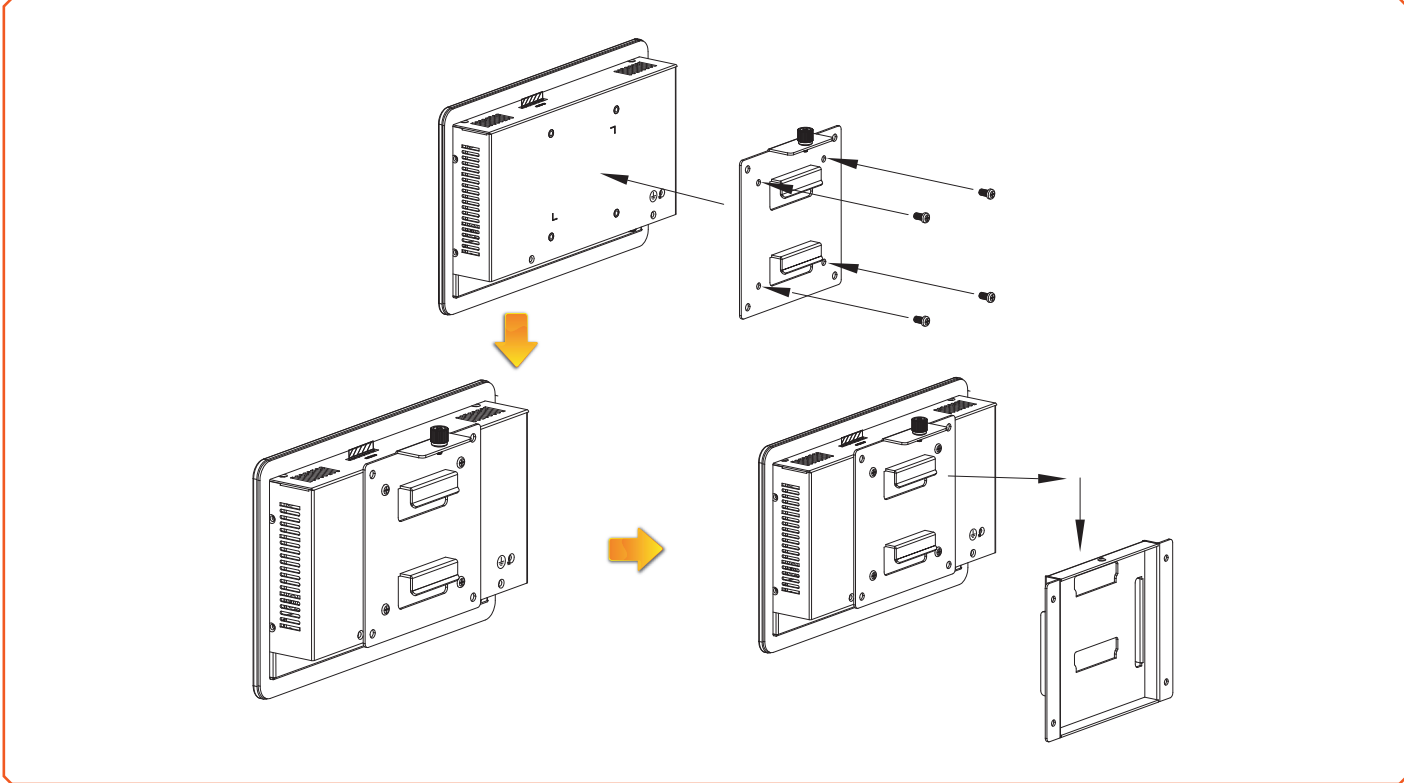
WEIGHT
- 1.26 kg

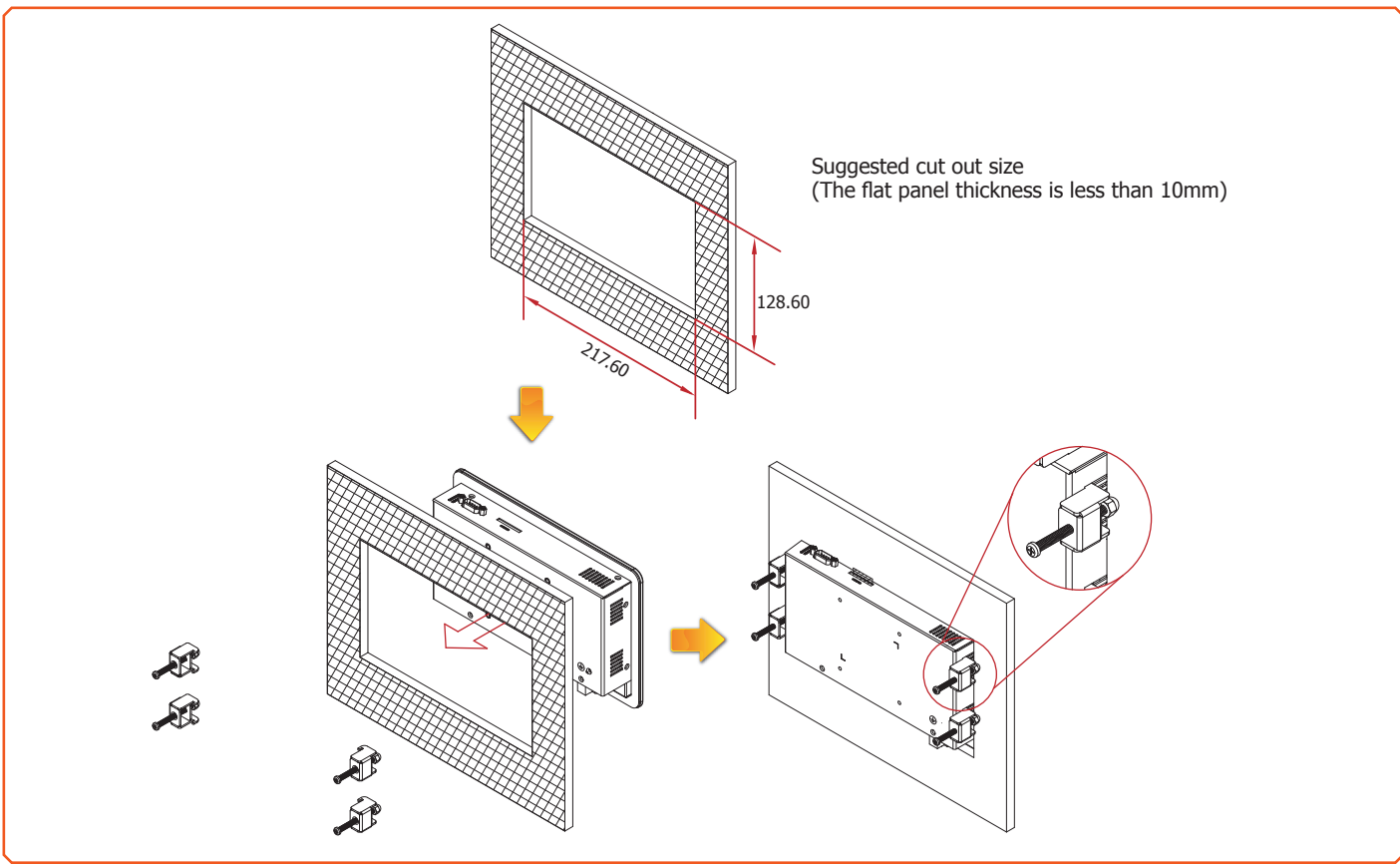## OS SUPPORT
- Android 4.3

CERTIFICATION
- CE
- FCC Class A
- RoHS

KS210-IMX6

▶ **Wall Mounting**

▶ **Panel Mounting**

Suggested cut out size
(The flat panel thickness is less than 10mm)

128.60

217.60

KS210-IMX6

▶ Ordering Information

Model Name	Part Number	Description
KS210-204P6L	750-KS2101-200G	7" Touch Panel PC, Freescale i.MX6 DualLite, 2GB DDR3, 4GB eMMC, RJ-45, HDMI, SD card socket, 2 USB, 2 COM, 12-bit DIO, RoHS

More configurations are available for ODM project. Please contact your sales representative for more information.

▶ Optional Items

Optional Items	Part Number	Description
Wall Mount	761-TPC000-000G	Standard Panel PC Wall Mount kit
Panel Mount	761-KS2020-000G	7" Panel PC Panel Mount kit
Power Cord	785-PWRD	Power cord, Standards (USA/EUR/CH), 1.8m, RoHS

▶ Packing List

• 1 KS210-IMX6 Touch Panel PC
• 1 12V power adapter
• 1 Quick Installation Guide