

KS310-IMX6

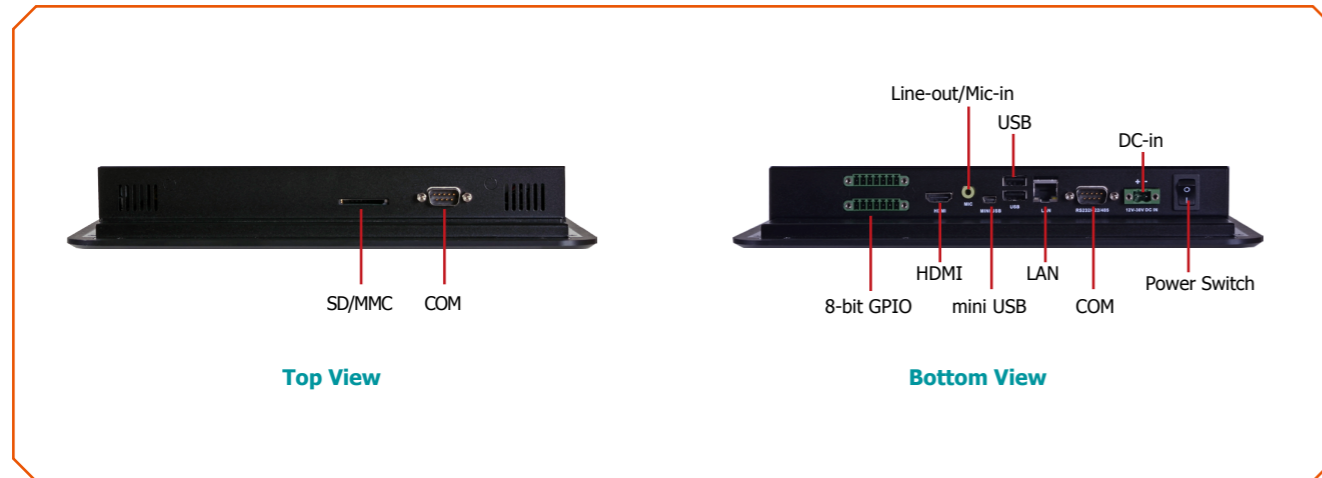


Features

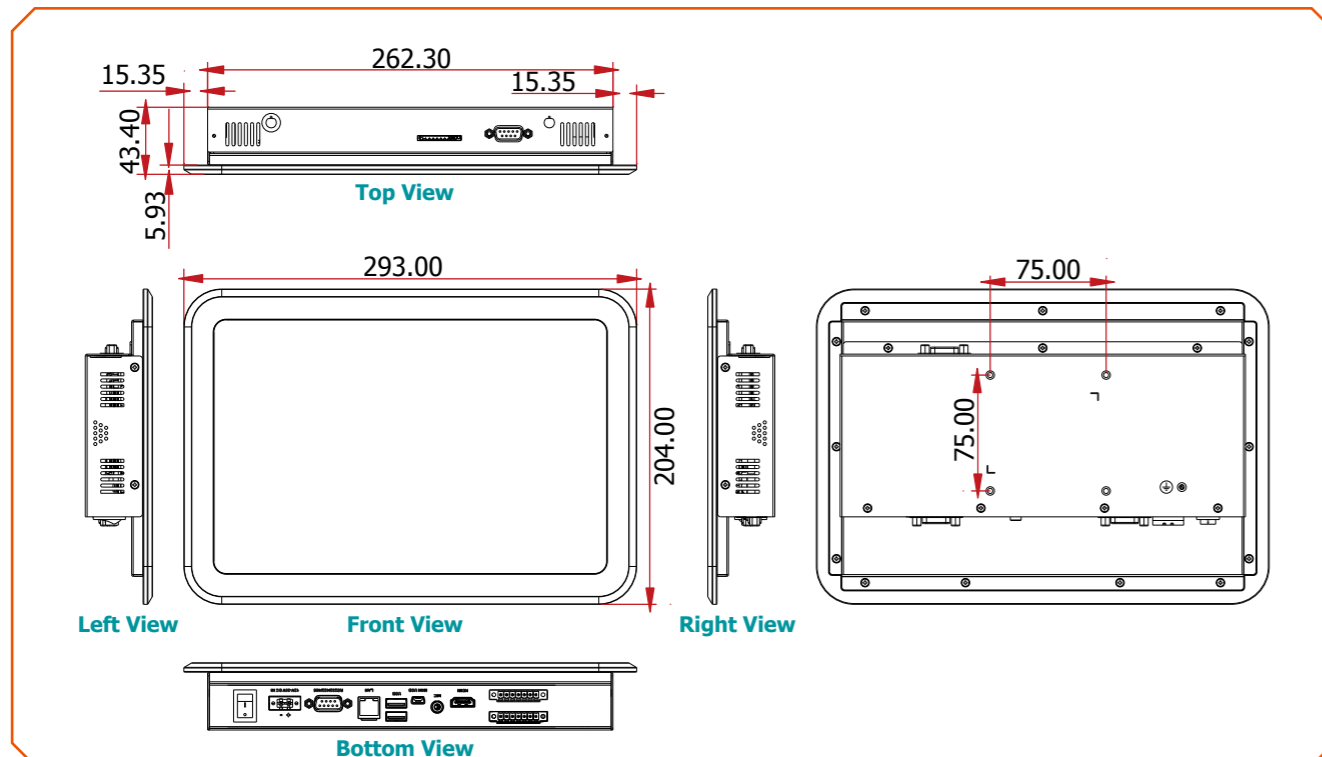
- 10.1" TFT Touch Screen Panel PC
- 1GB DDR3 onboard
- 8GB eMMC onboard
- 1 SD/MMC socket
- 1 HDMI, 2 USB 2.0, 1 mini USB, 1 LAN, 2 COM, 8-bit GPIO
- Wide voltage 12~36V DC-in



Panel



Dimensions



KS310-IMX6

Specifications

PROCESSOR

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

SYSTEM MEMORY

- DDR3 onboard
- Onboard memory: 1GB (default)
- 2GB (option)

LCD and TOUCH SCREEN

- 10.1" (1280x800) TFT touch screen LCD
- 300 NITS
- Projected capacitive touch screen
- 15000 MTBF LED backlight

STORAGE

- 1 SD/MMC socket
- Supports 4GB, 8GB (standard) and 16GB eMMC onboard

ONBOARD LAN FEATURES

- One Atheros AR8033 Ethernet PHY
- Supports 10Mbps, 100Mbps data transmission

AUDIO

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

I/O PORTS

- Bottom
 - 1 DB-9 RS232/422/485 serial port
 - 1 HDMI port
 - 1 mini USB port (Type 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
 - 8-bit GPIO 7-pole terminal block (4-bit in/ 4-bit out)
 - 1 Power switch
- Side
 - 2 built-in 2W speakers (left and right sides)
- Top
 - 1 SD/MMC card socket
 - 1 DB-9 RS485 serial port

EXPANSION SLOTS

- 2 Mini PCIe slots
 - Supports PCIe and USB signals
 - Supports full size Mini PCIe card
 - One slot supports mSATA module
- 1 SIM card socket

POWER

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

FRONT PANEL PROTECTION

- IP65 (Dust Tight; Water Proof protection)

CONSTRUCTION

- Aluminum front bezel
- Rear cover: sheet metal

MOUNTING

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

ENVIRONMENT

- Temperature
 - Operating: -20°C ~ 60°C
 - Storage: -30°C ~ 80°C
- Relative Humidity
 - 85% RH at 65°C

VIBRATION

- Operating: random 1G, 10~500 Hz
- Non-operating: Half sine wave, 3G, 10~500Hz

SHOCK

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

DIMENSIONS

- 293mm x 204mm x 43mm (W x H x D)

WEIGHT

- TBD

OS SUPPORT

- Android 4.0
- LTIB Linux 3.0.35