Freescale™ i.MX6 Series
10.1" Light Industrial Touch Panel PC

KS310-IMX6

Features

- 10.1" TFT Touch Screen 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

Panel

- Fanless
- Freescale
- FCC
- CE
- RoHS

Dimensions
**Freescale™ i.MX6 Series**

**10.1" Light Industrial Touch Panel PC**

**KS310-IMX6**

### Specifications

- **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**
  - 10.1" (1024x600) TFT touch screen LCD
  - 300 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
  - Rear cover: sheet metal

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

- **ENVIRONMENT**
  - Temperature
    - Operating: 0°C ~ 55°C
    - Storage: -30°C ~ 80°C
  - Relative Humidity
    - 85% RH at 65°C

- **VIBRATION**
  - Operating: random 1G, 5~500 Hz
  - Non-operating: Sine wave, 2G, 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 43.4mm (W x H x D)

- **WEIGHT**
  - 1.74 kg

- **OS SUPPORT**
  - Android 4.3

- **CERTIFICATION**
  - CE
  - FCC Class A
  - RoHS

*Optional and is not supported in standard model. Please contact your sales representative for more information.*
KS310-IMX6

Wall Mounting

Panel Mounting

Suggested cut out size
(The flat panel thickness is less than 10mm)
Freescale™ i.MX6 Series
10.1" Light Industrial Touch Panel PC

KS310-IMX6

Ordering Information

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>KS310-204P6L</td>
<td>750-KS3100-200G</td>
<td>10.1&quot; Touch Panel PC, Freescale i.MX6 DualLite, 2GB DDR3, 4GB eMMC, RJ-45,</td>
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<td>HDMI, SD card socket, 2 USB, 2 COM, 12-bit DIO, RoHS</td>
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Optional Items

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<tr>
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<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>Wall Mount</td>
<td>761-TPC000-000G</td>
<td>Standard Panel PC Wall Mount kit</td>
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<tr>
<td>Panel Mount</td>
<td>761-KS2020-000G</td>
<td>10.1&quot; Panel PC Panel Mount kit</td>
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<td>Power Cord</td>
<td>785-PWRD</td>
<td>Power cord, Standards (USA/EUR/CH), 1.8m, RoHS</td>
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<td>Power Adapter</td>
<td>671-106012-000G</td>
<td>60W, 12V/5A, Level 6, RoHS</td>
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</table>

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

Packing List

- 1 KS310-IMX6 Touch Panel PC
- 1 Quick Installation Guide