



## NXP i.MX6 Series 7" Light Industrial Touch Panel PC

### KS070-FS

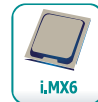
ARM



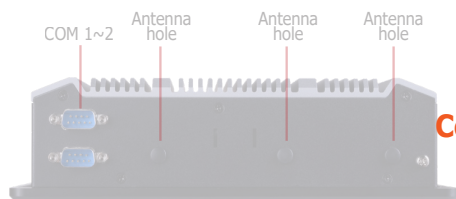
**Fanless**

#### ► Features

- 7" 1024x600 TFT LCD panel with touch screen
- 1 x SD socket for storage
- IP65 front panel protection
- 4GB eMMC for storage
- Rich I/O: 1 LAN, 2 COM, 2 USB 2.0, 1 USB OTG

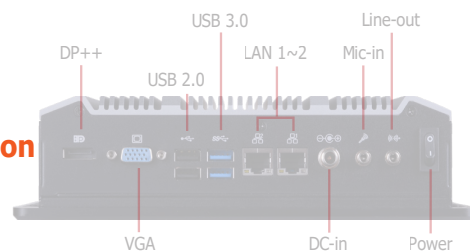


#### ► Panel



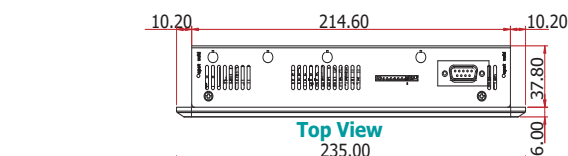
Top View

Coming Soon

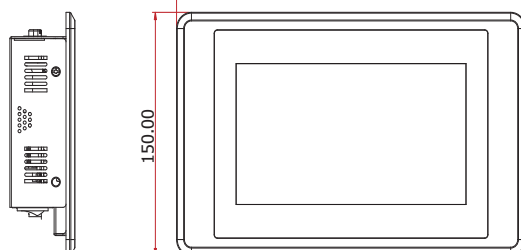


Bottom View

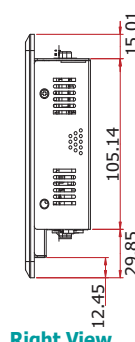
#### ► Dimensions



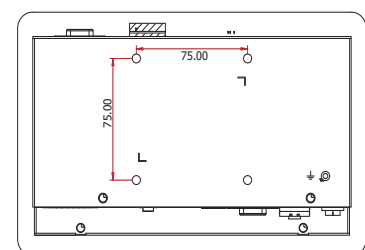
Top View



Front View



Right View



Bottom View



**Specifications**

|                                     |                               |                                                                                            |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------|
| <b>SYSTEM</b>                       | <b>Processor</b>              | NXP i.MX6 Series Processor<br>NXP i.MX6 Cortex-A9 Dual Lite, 1.0GHz                        |
|                                     | <b>Memory</b>                 | 2GB SDRAM Memory Down Single Channel DDR3L 1600MHz                                         |
| <b>DISPLAY AND TOUCH SCREEN</b>     | <b>Display</b>                | 7" 1024x600 TFT LCD Panel with Capacitive Touch Screen                                     |
|                                     | <b>Brightness</b>             | 425 cd/m <sup>2</sup>                                                                      |
|                                     | <b>Contrast</b>               | 800:1                                                                                      |
|                                     | <b>Backlight Lifetime</b>     | 50,000 hours                                                                               |
| <b>GRAPHICS</b>                     | <b>Display</b>                | 1 x HDMI HDMI: resolution up to 1920x1080 @ 60 Hz                                          |
|                                     | <b>Single Display</b>         | HDMI                                                                                       |
| <b>STORAGE</b>                      |                               | 4GB eMMC                                                                                   |
|                                     |                               | 1 x SD Socket                                                                              |
| <b>EXPANSION</b>                    | <b>Interface</b>              | 1 x Full-size Mini PCIe (PCIe/USB)<br>1 x mSATA                                            |
|                                     |                               |                                                                                            |
| <b>AUDIO</b>                        | <b>Audio Codec</b>            | Realtek ALC262                                                                             |
| <b>ETHERNET</b>                     | <b>Controller</b>             | 1 x Atheros Ethernet Controller AR8033-AL1B (10/100/1000Mbps)                              |
| <b>LED</b>                          | <b>Indicators</b>             | 1 x Status LED                                                                             |
| <b>FRONT I/O</b>                    | <b>Ethernet</b>               | 1 x GbE (RJ-45)                                                                            |
|                                     | <b>Serial</b>                 | 1 x RS-232                                                                                 |
|                                     | <b>USB</b>                    | 2 x USB 2.0 (type A)<br>1 x OTG USB                                                        |
|                                     | <b>Display</b>                | 1 x HDMI                                                                                   |
|                                     | <b>Buttons</b>                | 1 x Power Reset Button                                                                     |
|                                     |                               |                                                                                            |
| <b>BOTTOM I/O</b>                   | <b>Serial</b>                 | 1 x RS-232/422/485                                                                         |
|                                     | <b>DIO</b>                    | 1 x 8-bit DIO                                                                              |
| <b>TOP I/O</b>                      | <b>Wi-Fi Antenna</b>          | 2 x Wi-Fi Module Antenna Hole                                                              |
| <b>INTERNAL I/O</b>                 | <b>USB</b>                    | 1 x MicroSD<br>1 x SIM                                                                     |
|                                     |                               |                                                                                            |
| <b>WATCHDOG TIMER</b>               | <b>Output &amp; Interval</b>  | System Reset, Programmable via Software from 1 to 255 Seconds                              |
| <b>POWER</b>                        | <b>Type</b>                   | Wide Range 12~36V                                                                          |
|                                     | <b>Connector</b>              | 2-Pole Terminal Block                                                                      |
| <b>OS SUPPORT</b>                   |                               | Android 4.3                                                                                |
| <b>MECHANISM</b>                    | <b>Construction</b>           | Sheet Metal                                                                                |
|                                     | <b>Mounting</b>               | VESA, Panel Mount                                                                          |
|                                     | <b>Dimensions (W x H x D)</b> | TBD                                                                                        |
|                                     | <b>Weight</b>                 | TBD                                                                                        |
| <b>ENVIRONMENT</b>                  | <b>Operating Temperature</b>  | 0 to 60°C                                                                                  |
|                                     | <b>Storage Temperature</b>    | -30 to 85°C                                                                                |
|                                     | <b>Relative Humidity</b>      | 10 to 90% RH (non-condensing)                                                              |
|                                     |                               |                                                                                            |
| <b>STANDARDS AND CERTIFICATIONS</b> | <b>Shock</b>                  | Operating: 3G, 11ms<br>Non-Operating: 5G, 11ms                                             |
|                                     | <b>Vibration</b>              | Operating: Random 5~500Hz, IEC68-2-64 (3G)<br>Non-Operating: Sine 10~500Hz, IEC68-2-6 (3G) |
|                                     |                               |                                                                                            |
|                                     | <b>Certifications</b>         | CE, FCC Class B                                                                            |

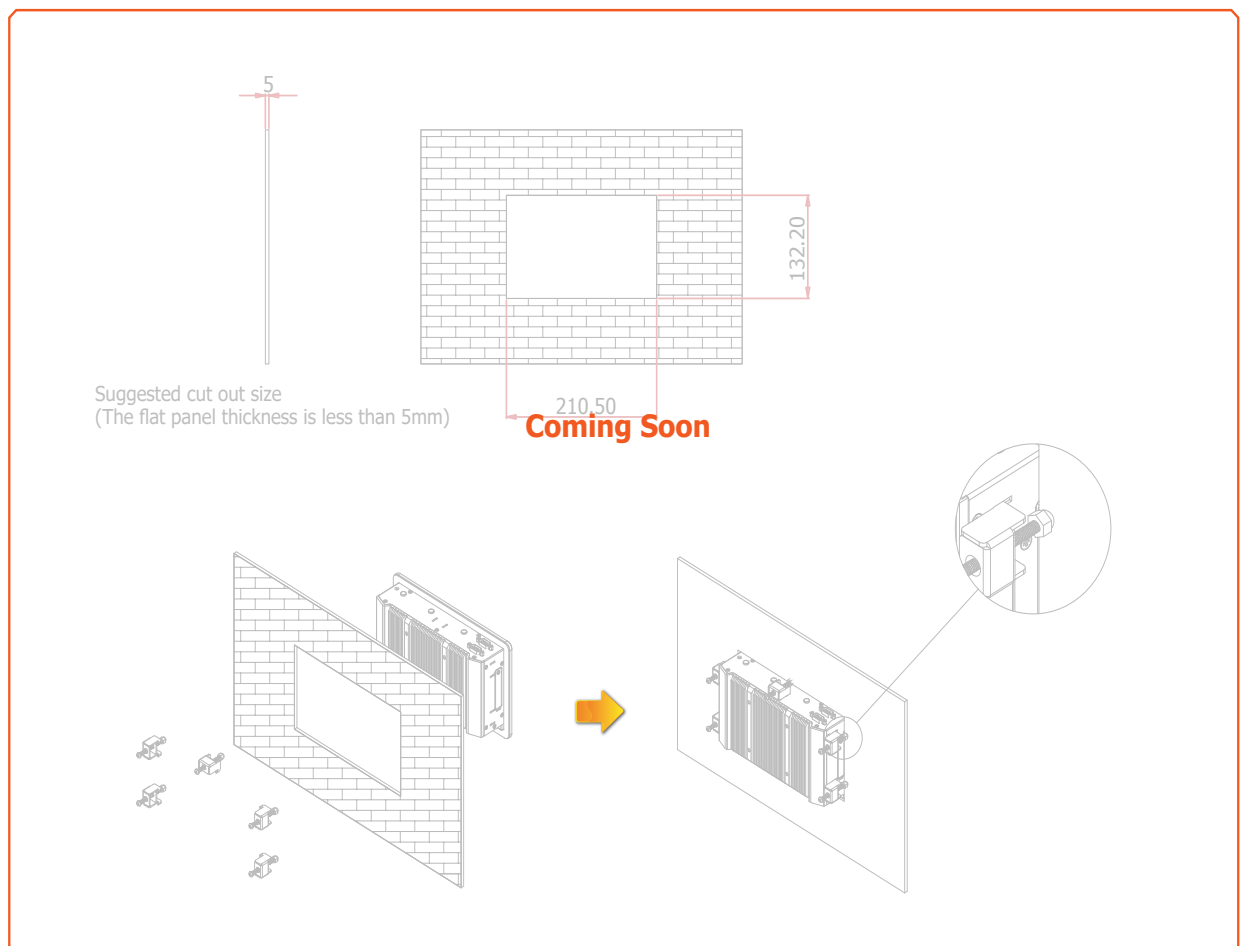


## KS070-FS

### ► VESA Mounting



### ► Panel Mounting



KS070-FS



## ▶ Ordering Information

| Model Name           | Part Number | Description                                                     |
|----------------------|-------------|-----------------------------------------------------------------|
| <b>KS070-FS-IMX6</b> | TBD         | 7" Panel PC, NXP IMX6DL, 2GB Memory, 4GB eMMC, Capacitive Touch |

## ▶ Optional Items

| Optional Items       | Part Number     | Description                                    |
|----------------------|-----------------|------------------------------------------------|
| <b>Wi-Fi</b>         | 761-AP1235-000G | Wi-Fi kit, RoHS                                |
| <b>Power Cord</b>    | 785-PWRD        | Power cord, Standards (USA/EUR/CH), 1.8m, RoHS |
| <b>Power Adapter</b> | 671-106012-000G | 60W, 12V/5A, Level 6, RoHS                     |
| <b>Panel Mount</b>   | 761-KS2020-000G | 7" Panel PC Panel Mount Kit, RoHS              |

785-XXX is a group number instead of a unique part number. Please contact your regional sales representative if you need more information.

## ▶ Packing List

|                              |
|------------------------------|
| • 1 KS070-FS Touch Panel PC  |
| • 1 Poron foam               |
| • 1 Quick Installation Guide |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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