

# KS070-M8M

7" Industrial Touch Monitor



## KEY FEATURES



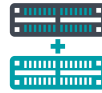
**7" 1024x600 TFT LCD Panel**  
with capacitive touch screen



**High Speed LPDDR4**  
2GB/4GB SDRAM Memory Down

**NXP**  
i.MX8M

**NXP i.MX8M Platform**  
performance up to 30% enhancement



**Multiple Expansion**  
M.2 2230/3042 support



**IP65**  
IP65 front panel protection

## SPECIFICATION

|                              |                       |   |
|------------------------------|-----------------------|---|
| SYSTEM                       | Processor             | NXP i.MX 8M Dual Cortex-A53, 1.5GHz   |
|                              | Memory                | 2GB/4GB SDRAM Memory Down Single Channel LPDDR4 1600MHz   |
| DISPLAY AND TOUCH SCREEN     | Display               | 7" 1024x600 TFT LCD Panel with Capacitive Touch Screen  |
|                              | Brightness            | 425 cd/m <sup>2</sup>   |
|                              | Contrast              | 800:1   |
|                              | Backlight Lifetime    | 50,000 hours  |
| STORAGE                      | Internal              | 16GB eMMC<br>1 x Internal Micro SD Socket   |
| EXPANSION                    | Interface             | 1 x M.2 B key 3042/2242 (USB 2.0)<br>1 x M.2 E key 2230 (PCIe x1/USB 2.0)<br>1 x Nano SIM slot (Optional) |
| LED                          | Indicators            | 1 x Power LED   |
| TOP I/O                      | Wi-Fi Antenna         | 2 x Wi-Fi Module Antenna Hole   |
| BOTTOM I/O                   | Ethernet              | 1 x GbE (RJ-45)   |
|                              | Serial                | 1 x RS-232/422/485<br>1 x RS-485  |
|                              | USB                   | 2 x USB 3.1 (type A)  |
|                              | Buttons               | 1 x Power Switch  |
|                              | Audio                 | 1 x Line out  |
|                              | DIO                   | 1 x 8-bit DIO   |
| INTERNAL I/O                 |                       | 1 x micro USB Type B  |
| WATCHDOG TIMER               | Output & Interval     | System Reset, Programmable via Software from 1 to 255 Seconds   |
| POWER                        | Type                  | 12V   |
|                              | Connector             | 2-Pole Terminal Block   |
| OS SUPPORT                   | OS Support            | Android 9.0 & Yocto 2.5   |
| ENVIRONMENT                  | Operating Temperature | 0 to 60°C   |
|                              | Storage Temperature   | -30 to 85°C   |
|                              | Relative Humidity     | 85%@65°C (non-condensing)   |
| MECHANISM                    | Dimensions            | 235 x 150 x 43.8(W x H x D)   |
|                              | Construction          | Aluminum front bezel  |
|                              | Mounting              | Panel Mount /VESA Mount /Din-rail(Optional)   |
|                              | Weight                | TBD   |
| STANDARDS AND CERTIFICATIONS | Shock                 | TBD   |
|                              | Vibration             | TBD   |
|                              | Certifications        | CE, FCC Class B   |
| PACKING LIST                 | Packing List          | 1 Touch Panel PC  |
|                              |                       | 1 Poron foam  |
|                              |                       | 1 Quick Installation Guide  |

## Assured Systems

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