KS070-M8M

KEY FEATURES

7" 1024x600 TFT LCD Panel
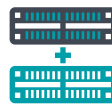with capacitive touch screen

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/m²
	Contrast	800:1
	Backlight Lifetime	50,000 hours
STORAGE	Internal	16GB eMMC 1 x Internal Micro SD Socket
EXPANSION	Interface	1 x M.2 B key 3042/2242 (USB 2.0) 1 x M.2 E key 2230 (PCIe x1/USB 2.0) 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 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 CERTIFICA-TIONS	Shock	TBD
	Vibration	TBD
	Certifications	CE, FCC Class B
PACKING LIST	Packing List	1 Touch Panel PC
		1 Poron foam
		1 Quick Installation Guide