NXP i.MX6 Series
5.7" Light Industrial Touch Panel PC

KS057R-FS

ARM



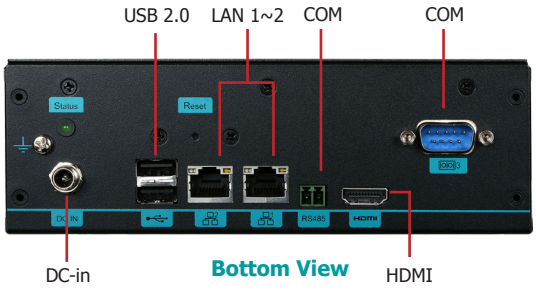
Fanless

Features

- 5.7" 640x480 TFT LCD panel with touch screen
- NXP Cortex-A9 i.MX6 DualLite 1.0 GHz
- Support Wall / Din-rail Mounting
- PLC Polling Device

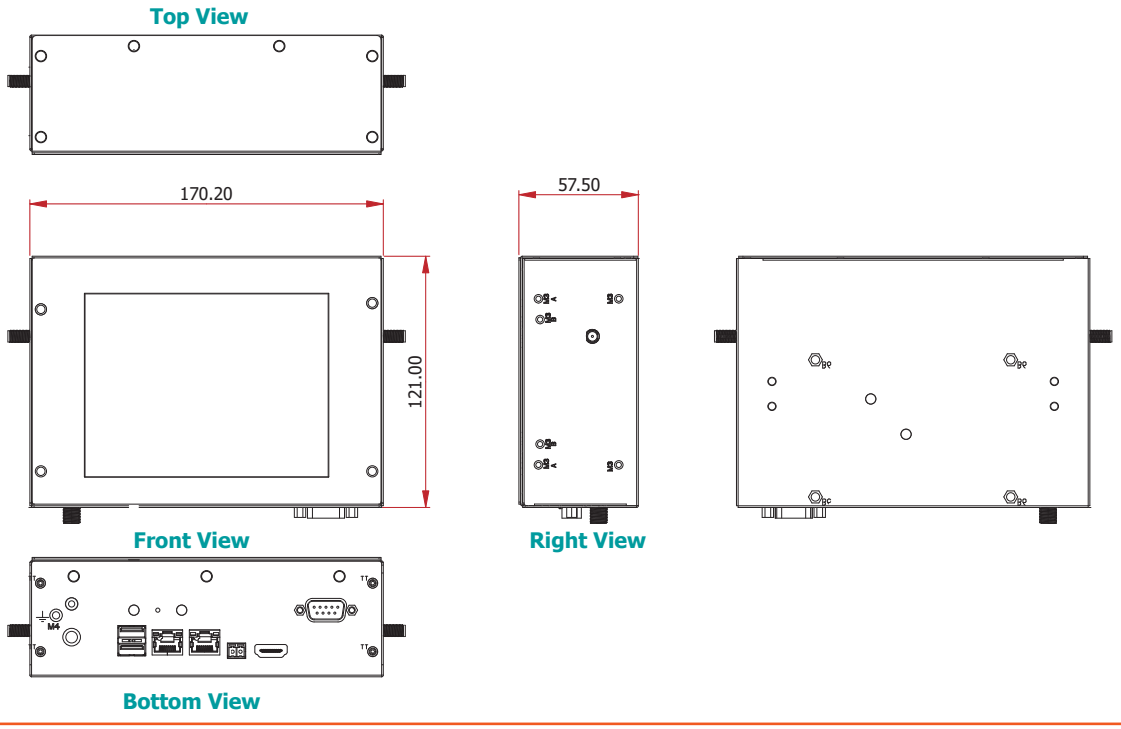


Panel



Bottom View

Dimensions



Specifications

SYSTEM	**Processor**	NXP i.MX6 Cortex-A9 DualLite, 1.0 GHz
	Memory	1GB SDRAM Memory Down
	Flash	4MB NOR Flash
DISPLAY AND TOUCH SCREEN	**Display**	5.7" 640x480 TFT LCD Panel with Resistive Touch Screen
	Brightness	400 cd/m²
	Contrast	800:1
	Backlight Lifetime	50,000 hours
GRAPHICS	**Display**	1 x HDMI HDMI 1.4: resolution up to 1920x1080 @ 60Hz
	Single Display/ Dual Displays	Yocto: HDMI or LVDS (default) Android: HDMI + LVDS (available upon request)
STORAGE	**eMMC**	8GB eMMC onboard
	Expansion	1 x Micro SD Slot
ETHERNET	**Controller**	1 x ATHEROS AR8033 Ethernet Controller (10/100/1000Mbps) 1 x LAN7500 Ethernet Controller (10/100/1000Mbps)
Expansion	**Interface**	1 x Full-size Mini PCIe (PCIe/USB)
I/O	**Serial**	1 x RS-485 1 x RS-232
	Switch	1 x Reset Switch
	Wi-Fi Antenna	2 x Wi-Fi Module Antenna Hole
	Ethernet	2 x GbE (RJ-45) (10/100/1000Mbps)
	USB	2 x USB 2.0 (type A)
	Display	1 x HDMI
WATCHDOG TIMER	**Output & Interval**	System Reset, Programmable via Software from 1 to 255 Seconds
POWER	**Type**	12V DC
	Connector	DC Jack
OS SUPPORT (UEFI ONLY)		Yocto 1.8 (default preloaded on eMMC) Android 5.1.1
MECHANISM	**Construction**	Sheet Metal
	Mounting	Wall, Din-rail
	Dimensions (W x H x D)	170.2mm x 121mm x 57.5mm
	Weight	TBD
	IP Rating	IP20 Front Panel Protection
ENVIRONMENT	**Operating Temperature**	-20 to 60°C With Extended Temperature Peripherals; Ambient with Air Flow
	Storage Temperature	-30 to 80°C
	Relative Humidity	5 to 90% RH (non-condensing)
STANDARDS AND CERTIFICATIONS	**Shock**	OP: Half-sine, 3G @ 11ms Non-OP: Half-sine, 5G @ 11ms
	Vibration	OP: Random, 1Grms @ 5~500Hz, 30min Non-OP: Sweep sine, 3Grms @ 10~500Hz, 30min
	Certifications	CE, FCC Class A

Ordering Information

Model Name	Part Number	Description
KS057R-FSD12-MX6-V2	750-KS0570-100G	5.7" Panel PC, i.MX6, 1GB Memory, 8GB eMMC, Resistive Touch

Optional Items

Optional Items	Part Number	Description
Wi-Fi	761-AP1235-000G	Wi-Fi kit, RoHS
Power Cord	785-PWRD	Power cord, Standards (USA/EUR/CH), 1.8m, RoHS
Power Adapter	671-106012-000G	60W, 12V/5A, Level 6, 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 KS057R-FS Touch Panel PC
- 1 Poron foam
- 2 Wall Mount Bracket

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