

Vantron VT-SBC-MX6 is a product design for Industrial application. This product is based on ARM Freescale Cortex-A9 iMX6 single/dual/quad core processor. With Standard Industrial 3.5" Size.

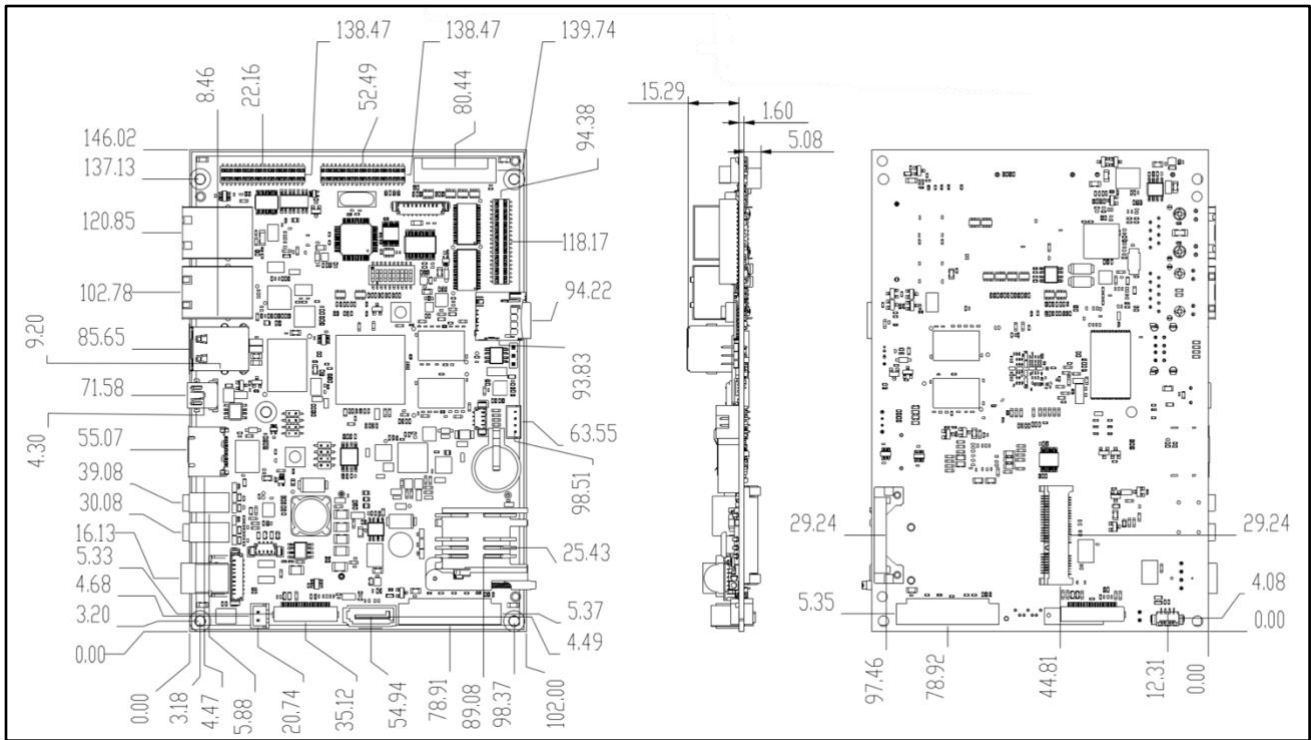
On board 1GB (Optional 2GB) DDR, On board 2GB (Optional 4GB or higher) NAND Flash. Support HD1080p CODEC. Support Extended Temperature: -40°C ~ +85°C

Support Linux, WinCE, Android OS



Specifications

Standard	Size	Standard Industrial 3.5' Board 146mm x 102mm Size
System	Processor	Freescale ARM Cortex-A9 iMX6 Single/Dual/Quad Core 800MHz/1GHz/1.2GHz Processor, with 2D/3D GPU MMPF0100 Power Management
	RAM	Up to 2GB on board DDR3 (Optional 512MB or 1GB)
	Storage	On board 2GB NAND Flash, Optional 4GB or Larger size EMMC
Display	Ext Storage	1 x micro-SD 1 x SATA (Only support with Dual/Quad Processor)
	Video Out	Up to 1920x1080(1080P), Support 2D/3D Accelerator 16/18/24bit, Typical 1280x768 16bit 1x24 bit DSS interface, Up to 225Mpix/s 2xLVDS , 1xHDMI1.4 Type A port
	Touch Screen	1 x I2C Support
Camera	CSI	2 x Digital Camera
I/O Ports	Ethernet	1x10/100Mbps Ethernet, RJ45 1x10/100Mbps/1Gbps Ethernet, RJ45
	USB	4xUSB2.0 Host (480Mbps) 1xUSB2.0 Client(480Mbps)
	Audio	I2S Codec, MIC Input, Headphone Output, Optional 2W Speaker
	COM Port	3xUART (Full function), 1 for Debug 1XRS232, 1XRS232(2-wire, Optional RS422/485)
	PCIe	1x mini-PCIE Can use for WIFI Module
	SPI	1x SPI Bus
	RTC	Support
	SATA	1x SATA
	GPIO	x10 In/Out
	CAN	1xCAN 2.0B
	I2C	2xI2C Bus
	SIM Card	1xSIM Slot
	Software	OS
SDK		Support
Power	Input	6-36V Wide Input
Mechanical	Dimensions	Industrial 3.5' Board: 146mm x 102mm
Environment Condition	Temperature	Operating:-20°C ~ +85°C (Optional Wide Temperature:-40°C ~ +80°C) Storage: -40°C ~ +85°C
	Humidity	5-85%RH (Non-Condensation), operating and storage
	Cooling Mode	Fanless, Heat Sink



Accessory

Mounting Screw	4pc
Mounting Nut	4pc

Order Information

VT-SBC-MX6	-X	X	XX
	S:单核	1:1G DDR	2:2G Flash
	D:双核	2:2G DDR	4:4G Flash
	Q:四核	5:512MB	8:8G eMMC
			Or Other Size
Sample	VT-SBC-MX6-Q28		
<p>Notes: All specifications are subject to change without notice. Please contact Vantron for additional requirements.</p>			