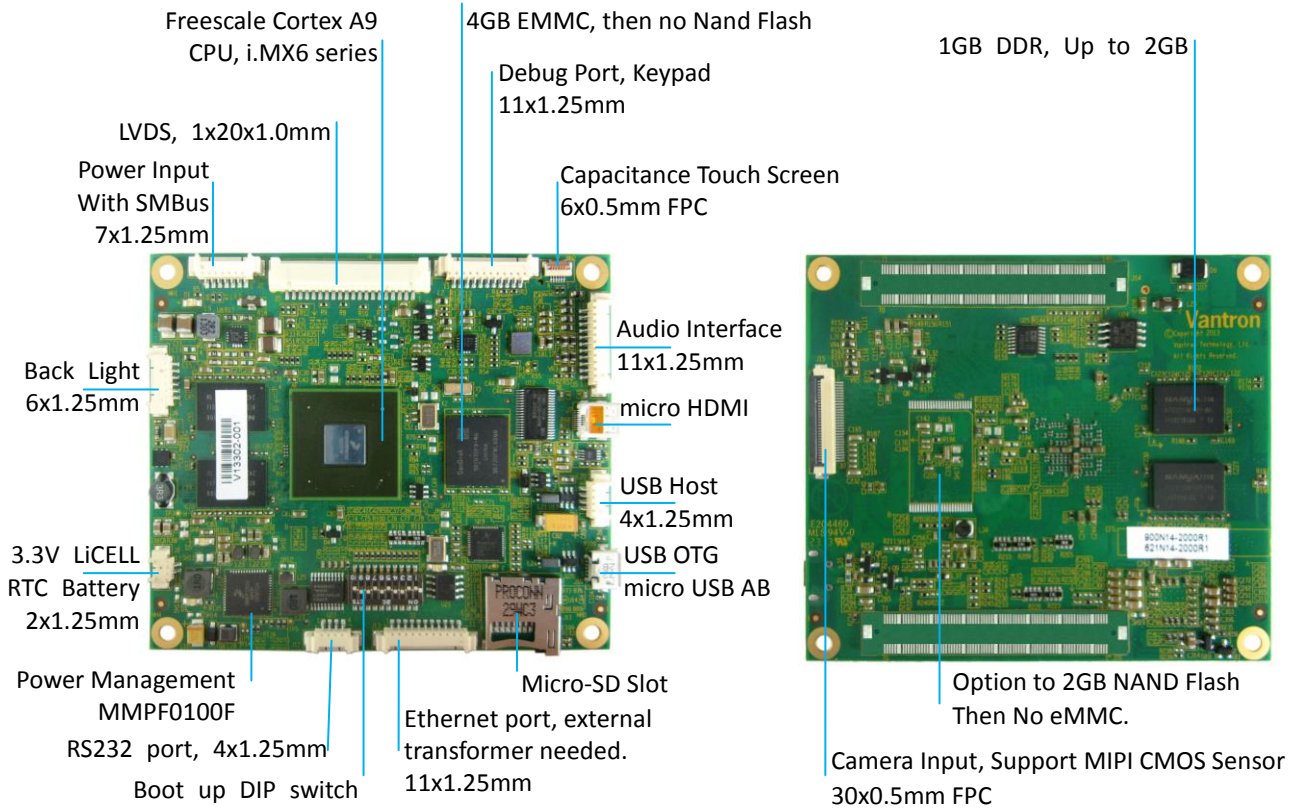
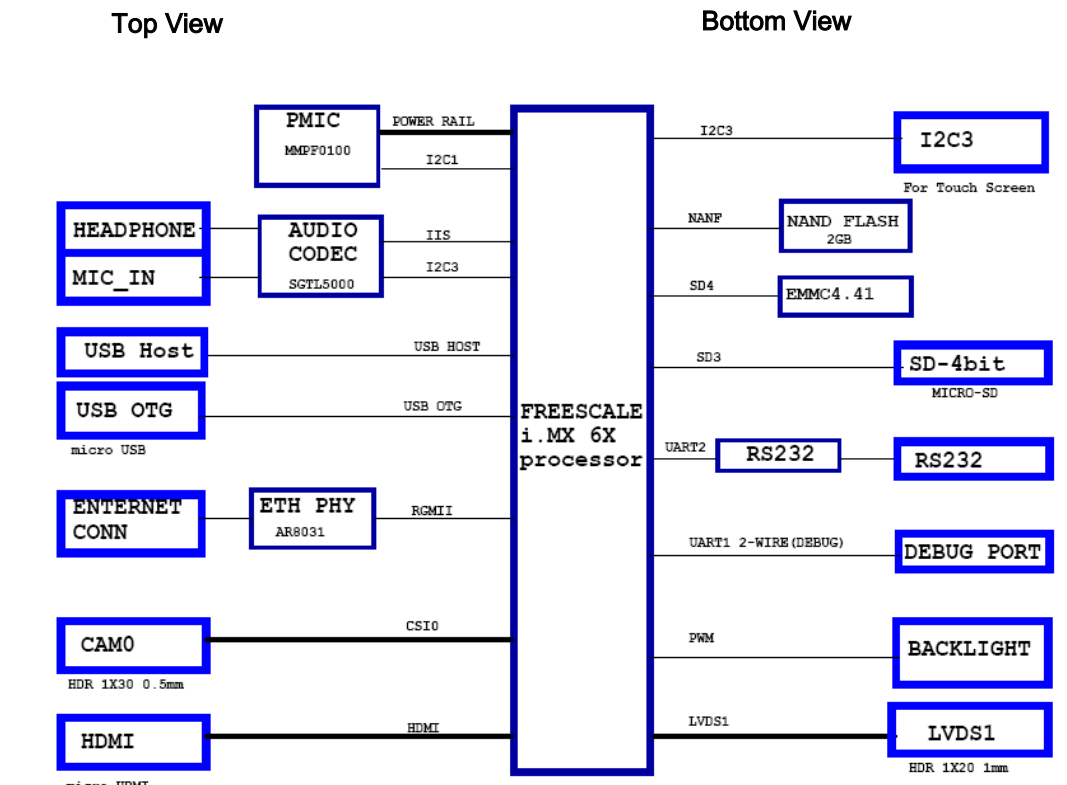


VT-SBC-G6, Single Board Computer with Freescale i.MX6 series ARM Cortex A9 Single/Dual/Quad Core Processor

Features	
■	Freescale, i.MX 6S/D/Q(800M/1G/1.2GHz),ARM Cortex-A9 Single/Dual/Quad core Low Power Processor
■	On Board DDR3 400MHz, 1GB (512MB and 2GB optional)
■	On Board 4GB EMMC (up to 16GB), Optional 2GB NAND Flash
■	Display: LVDS
■	Resolution:XGA,WXGA,SXGA,HD720P, HD1080p
■	1xmicro-SD
■	Optional B2B Connectors to Extended Connector Board
■	Accelerometer Sensor
■	1xUSB 2.0 Host, 1xUSB OTG 2.0
■	2xRS232(2wires, One for Debug), 1xI2C (for Touch Screen)
■	1xVideo/Camera Input (MIPI CMOS Sensor interface)
■	1x10/100/1000Mbps Ethernet (Transformer Needed)
■	Audio Interface, MIC IN, Line Out R/L
■	1xRTC and PMIC by MMPF0100F
■	Embedded Linux, WinCE, Android Supported



CPU Board Specifications		
System	Processor	Freescale, i.MX 6S/D/Q(800M/1G/1.2GHz),ARM Cortex-A9 Single/Dual/Quad core Low Power Processor Power Management and RTC by MMPF0100F
	On Board Memory	RAM: On Board DDR3 400MHz, 1GB (up to 2GB) ROM: On Board 4GB EMMC (up to 16GB), Optional 2GB NAND Flash
	Ext Memory	1xmicro-SD
Display	Video Out	Up to 1920x1080(1080P), 2D/3D Accelerator available 16/18/24bit, Typical 1280x768 16bit. 1xLVDS, up to 165Mpix/s 1xmicro HDMI port
	Touch	1x capacitive touch (I2C)
Camera	CSI	1xVideo/Camera Input (MIPI CMOS Sensor interface)
Audio	Audio	I2S Codec, MIC1 input, Line Output R/L
Peripheral I/Os	LAN	1x10/100/1000Mbps Ethernet, need External transformer Can use the RJ45 part which embedded transformer.
	USB	1xUSB2.0 Host (480Mbps) 1xUSB2.0 OTG(480Mbps)
	COM Port	2xRS232 (2Wires), one for debug 1xI2C (for capacitive touch)
	RTC	Supported by MMPF0100F, Connect rechargeable Coin Battery.
Software	OS	Supported: Linux, WinCE, Android
	SDK	Supported
Power	Input	Single 12V (6-17V) Input,
Mechanical	Dimensions	88 x 76.2mm
Environment Condition	Temperature	Operating:-20°C ~ +85°C, (ETR:-40°C ~ +85°C optional) Storage: -40°C ~ +85°C
	Humidity	10-85%RH (Non-Condensation), operating and storage
	Cooling Mode	Fanless



Order Code
VT-SBC-G6Q-AAG-BBBM-CCC-F-V

Version: I: -40°C ~ +85°C version
 Blank: -20°C ~ +70°C, version
 NAND or EMMC: F: NAND; E:EMMC
 Flash Memory Size: in MB, 2GB or others
 DDR Memory Size: in MB, 512MB or 1GB
 CPU speed: P8G: 800MHz, 1G: 1GHz, 1G2:1.2GHz
 CPU core : D: i.MX6D, Dual core; Q: i.MX6Q, Quad core

Order Part Example	
VT-SBC-G6D-P8G-1GM-4GE	Freescale, i.MX6D,800MHz,Dual Core,1GB DDR, 4GB EMMC
VT-SBC-G6Q-1G-1GM-2GF-I	Freescale, i.MX6Q,1GHz, Quad Core,1GB DDR, 2GB Flash, ETR
VT-SBC-G6D-1G2-1GM-2GF-I	Freescale, i.MX6D,1.2GHz, Dual Core,1GB DDR, 2GB Flash, ETR

NOTES:

All specifications are subject to change without notice. Please contact Vantron for additional requirements.



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