

RSB-4411

NXP i.MX6 Cortex-A9 3.5英寸单板电脑



- 搭载NXP Cortex-A9 i.MX6 双核/四核, 1.0 GHz
- 支持板载1GB DDR3内存和4GB eMMC
- 支持HDMI和VGA 1920x1080 (60Hz), 双通道18/24位LVDS
- 支持3个UART端口、1千兆以太网、5个USB 2.0接口、20个GPIO接口、2个I2c接口、1个SPI接口
- M.2支持WIFI/BT链接, mini-PCIe支持WIFI/3G连接
- 更低的功耗, 无风扇设计
- 支持Linux和Android操作系统



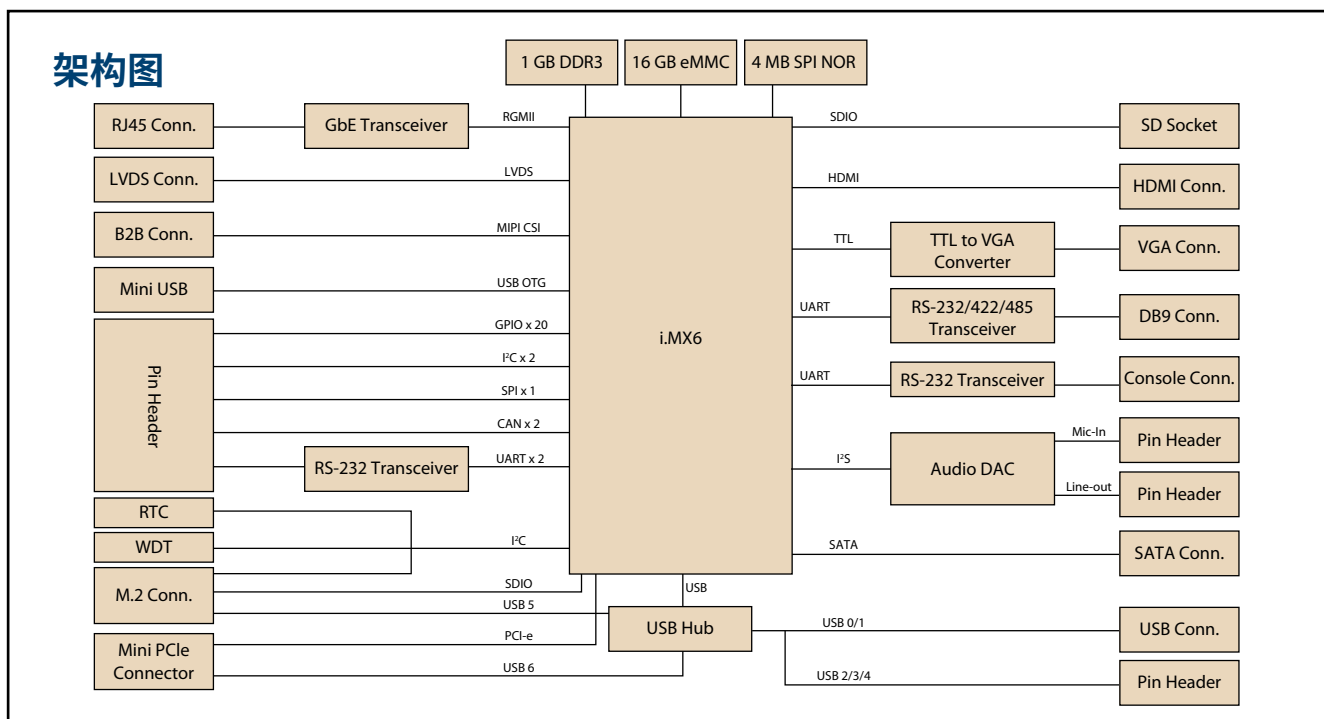
产品介绍

RSB-4411是一款搭载高性能NXP ARM® Cortex®-A9 i.MX6处理器的RISC 3.5英寸单板电脑(SBC), 支持全高清视频编码/解码和千兆位以太网。RSB-4411还具有mini PCIe、M.2和SIM卡插槽, 用于集成Wi-Fi、蓝牙和3G / 4G / LTE模块。配有完整的Linux和Android BSP, 因此该系统使客户能够轻松地地为特定的操作系统开发独特的应用程序软件。

规格

Form Factor		3.5" SBC
Processor System	CPU	NXP Arm® Cortex®-A9 i.MX6 Dual/Quad-core up to 1.0 GHz processor
	Technology	DDR3 1066 MHz
	Capacity	1 GB of DDR3 onboard
	Flash	4 GB of eMMC NAND Flash for OS and 4 MB of SPI NOR Flash for Advantech's boot loader
Graphics	LVDS	1 x 18/24-bit LVDS with 1366 x 768 resolution for 1 channel; 1920 x 1080 resolution for 2 channels at 60Hz
	HDMI	1 HDMI, 1920 x 1080 at 60Hz
	VGA	1 VGA, 1920 x 1080 at 60Hz
	Graphics Engine	3 IPU's. OpenGL ES 2.0 for 3D, BitBlt for 2D and OpenVG 1.1
	H/W Video Codec	Decoder: MPEG-4 ASP, H.264 HP, H.263, MPEG-2 MP, MJPEG BP Encoder: MPEG-4 SP, H.264 BP, H.263, MJPEG BP
Ethernet	Chipset	NXP i.MX6 integrated RGMII
	Speed	1 x 10/100/1000 Mbps
WatchDog Timer		1~6553s, power on/off 4s
I/O	SATA	1
	SATA Power	1
	USB	1 x USB OTG, 2 x USB Type A, and 3 x USB pin headers
	Audio	1 x line-out, 1 x mic-in via a pin header
	SPDIF	-
	SDIO	-
	Serial Port	2 x 2-wire RS-232 pin header 1 x 4-wire RSB-232/422/485, DB9
	SPI	1
	CAN	2
	GPIO	20-pin 3.3V TTL level GPIOs
	I²C	2
	System Bus	-
	Touch	-
	I/R	-
Expansion	Mini PCIe	1 x mini PCIe slot
	SD Socket	1 x SD slot
	SIM Slot	1 x SIM slot
	M.2 Socket	1 x M.2 slot
Power	Power Supply Voltage	12 V, 19 V, 24 V
	Power Type	DC-in
	Power Consumption	-
Environment	Operating Temperature	0 ~ 60 °C/-40 ~ 85 °C
	Operating Humidity	5 ~ 95% relative humidity, non-condensing
Mechanical	Dimensions (W x D)	146 x 102 x 20 mm
Operation System		Linux Ubuntu 14.04/16.04/18.04 /Debian 8 /Yocto 2.1/2.5 &Android 6.0.1/9.0
Certifications		CE/FCC Class B

架构图



订货信息

Part Number	CPU	Memory	Flash	HDMI	VGA	LVDS	LAN	Serial Port	SATA	USB Host	System Bus	SD	CAN Bus	Operating Temperature
RSB-4411CD-PNA2E	NXP i.MX6 Dual-core, 1 GHz	1 GB	16 GB	1	1	1	1	1 x 4-wire RSB-232/422/485 2 x 2-wire RSB-232	1	5	-	1	2	0 ~ 60 °C
RSB-4411CQ-PNA2E	NXP i.MX6 Quad-core, 1 GHz	1 GB	16 GB	1	1	1	1	1 x 4-wire RSB-232/422/485 2 x 2-wire RSB-232	1	5	-	1	2	0 ~ 60 °C
RSB-4411WD-ONA2E	NXP i.MX6 Dual-core 800MHz	1 GB	16 GB	1	1	1	1	1 x 4-wire RSB-232/422/485 2 x 2-wire RSB-232	1	5	-	1	2	-40~85 °C
RSB-4411WQ-ONA2E	NXP i.MX6 Quad-core 800MHz	1 GB	16 GB	1	1	1	1	1 x 4-wire RSB-232/422/485 2 x 2-wire RSB-232	1	5	-	1	2	-40~85 °C

装箱单

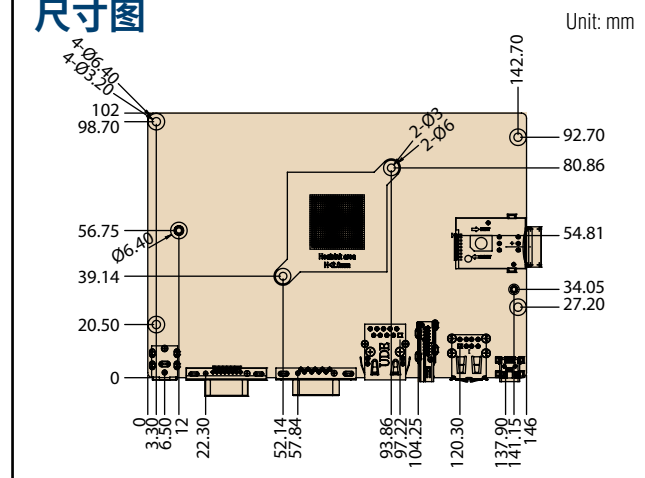
Part Number	Description
RSB-4411	RSB-4411 3.5" SBC

可选配件

Part Number	Description
96PSA-A36W12R1-3	Adapter 100-240 36W 12V 3A 9NA0362308
1700008921	Power Cord 3P PSE 183cm
1700019146	Power Cord CCC 3P 10A 250V 183cm
170203183C	Power cord 3P Europe (WS-010+WS-083) 183 cm
170203180A	Power cord 3P UK 2.5A/3A 250 V 1.83 M
1700001524	Power cord 3P UL 10A 125 V 180 cm
1700021565-01	Debug cable
1700018730	USB cable
1700026878-01	Mic-in cable
1700026879-01	Line-out cable
1700026880-01	CAN bus cable
1700026881-01	RS-232 cable
SQF-ISDM1-8G-21C	SQF SDHC C10 UHS-I MLC 8G, 1CH (-25~85°C)
EWM-W194M201E	IEEE 802.11ac/a/b/g/n, 2T2R, WiFi M.2 2230
AIW-344FQ-J01*	LTE 4G, 3G WCDMA/DC-HSPA+, 2G module, MPC-I-L280H
1750008717-01	Dipole Ant. D.B 2.4/5G WiFi 3dBi SMA/M-R BLK
1750008303-01	Antenna AN0727-64SP6BSM
1750007965-01	Antenna Cable R/P SMA (M) to MHF4, 300mm
1750006009	Antenna Cable SMA (F) to MHF 1.32 25cm

* Please contact us to get suitable cellular module for your region.

尺寸图



I/O 视图

