AEGX-N5K1

NVIDIA ARM Cortex A15 Tegra K1 RTX Module



Features

- Quard-Code ARM®Cotax-A15 MPCore™ Processor
- Supports 1 x HDMI & 1 x LVDS
- Supports 16GB eMMC controllers on board
- Supports 2 USB3.0 interfaces, 3 USB2.0 interfaces, 4 High speed UART interfaces, 6 SPI, 6 I2C controllers, 5 I2C interfaces, 1 PWM controllers
- Supports CUDA Toolkit v6
- Supports Linux Ubuntu 14.04

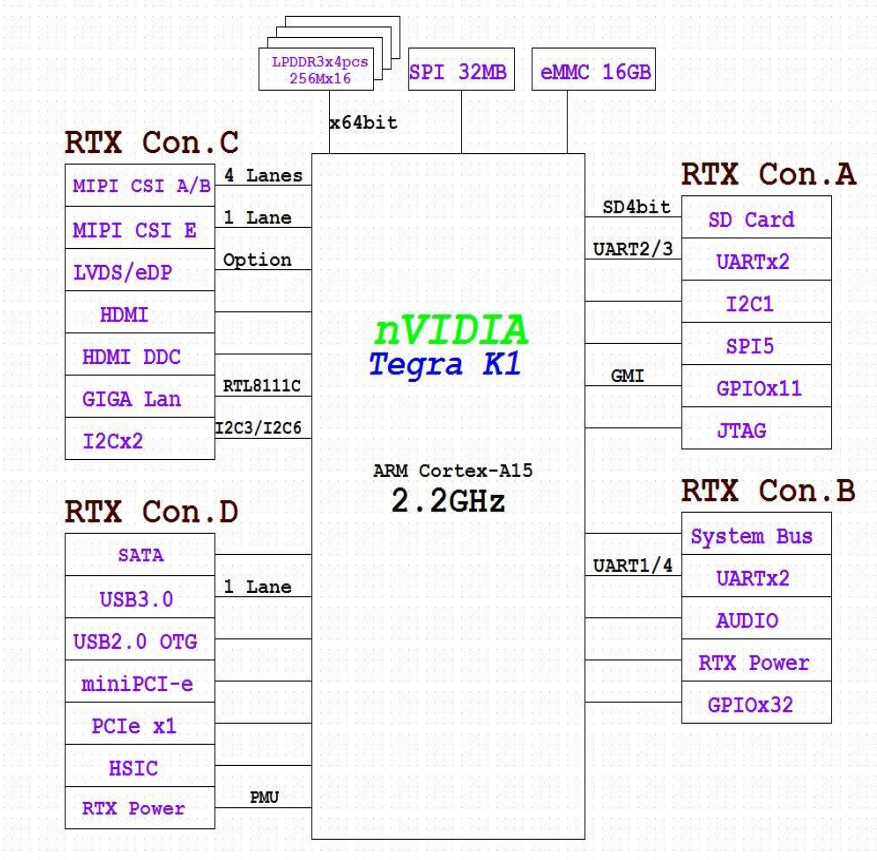
Specification

Form Factor		RTX (NV)
Processor System	CPU	NVIDIA 4-Plus-1™ Quard-Code ARM®Cortex™-A15 CPU - Tegra K1 processor
Memory	Technology	2GB 2x32 bit DDR3L 933Mhz on board
	Flash	eMMC, USB (Recovery Mode)
Graphics	HDMI	1.4b 3840x2160@30Hz
	LVDS	LVDS(24bpp) 3200x2000@60Hz/ eDP
Ethernet	Chipset	RTL8111G
	Speed	PCI Express 10/100/1000
Imaging		MIPI CSI 2.0 (2x4 lane + 1x1 lane @1.5Gbps)
Storage Interface		16GB eMMC controllers on board (supporting SD Host 4.0)
Baseband Interface		HSIC, HS-UART, PCM support, SPI (master), USB, SDIO
Security		Secure memory with video protection region/ Hardware cryptographic acceleration for RSA, AES, CMAC, SHA-1 and SHZ-256/ TrustZone technology support for DRAM and peripherals
I/O	USB	2x USB2.0, 1x USB3.0
	High-speed UART	4
	SPI	6
	I^2C	6
	I^2S	5
	Giga LAN	1
	PCIex1	1
	Audio	1 (Line in, Line out)
	SDIO	1 (for SD Card)
Power	Power Supply Voltage	DC 12V
	Power Consumption	7W
Environment	Operating Temperature	-5 °C - 85°C
Physical Characteristics	Dimension	68mm x 68mm
Operating System		Linux Ubuntu 14.04

All product specifications are subject to change without notice

Dimensions

Unit: mm



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