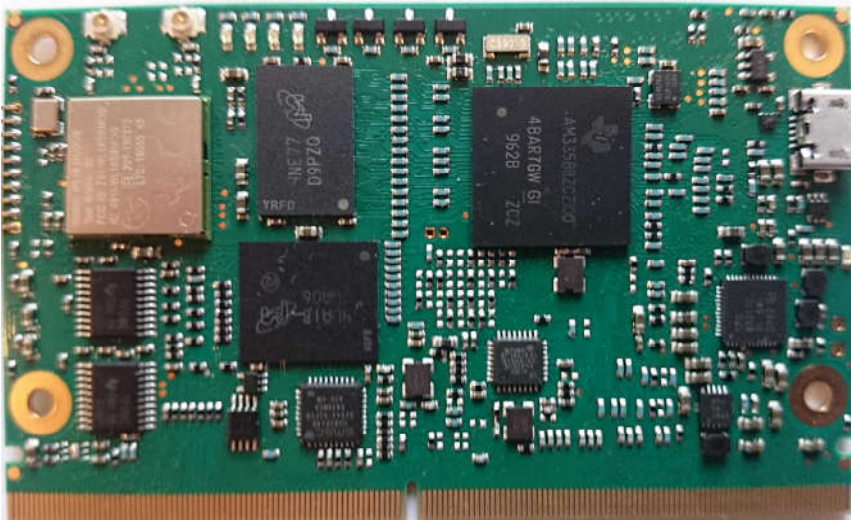




U230 SMARC module AM335x cpu

Embedding IoT connectivity



Description

The U230 is a CPU module in SMARC 50*80mm size. It is using a low power 1Ghz TI AM3358 ARM® Cortex™ A8 processor.

U230 is configured as a Beagle Board Black® with the added features of TI Wilink-8 2.4Ghz/5Ghz WiFi, Bluetooth, BTLE and a quad USB hub. The board uses industrial temperature components.

The U230 together with a customized carrier board is a perfect choice for professional applications previously verified with BBB, shields or prototype boards. The combination of a low power CPU and high performance wireless connectivity enables a multitude of IoT applications with a mature and well-known development environment and with a high degree of flexible interfaces integrated. A customized SMARC carrier may add HDMI, 3G/GSM, PoE, analogue or digital I/O, or other wireless networks.

Highlights

CPU	TI AM3358 ARM® Cortex™- A8, 1Ghz	Operating Systems	Linux/Ubuntu, Android
FPU	NEON fpu accelerator	Wireless interfaces	2.54 Ghz / 5.0 Ghz WiFi Bluetooth 4.0/ BTLE
Memory	512MB DDR3	USB	4 channel USB 2.0 interface, 1 channel OTG
Flash on board	2/4 GB eMMC + uSD socket	Serial Ports	4 COM with 3V levels, SPI, I2C,
Board size	50*80 mm SMARC	Ethernet	100Mb/s, on board phy
Power	5V, max 200mA	Display support	LCD digital
Temperature	-40 to +60		

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