**Differences between Raspberry pie , Dragon, imx7 Sabre, BBB**

There are a lot of processors available in the market. Here is the comparison between a few of them. Our main aim to distinguish Beagle Bone Black from other processors.

The following table describes about the differences between the given processors.

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SI No | Features | Raspberry pie | Snapdragon  Qualcomm | imx7 Sabre | Beagle Bone black | | 1 | Processor Type | It uses ARM11 processor. | It uses octa-core Snapdragon 835 SoC | It uses ARM Cortex-A7 and Cortex-M4 | It uses ARM Cortex-A8 processor. | | 2 | RAM | 512 MB SDRAM | 8GB RAM | 1 GB DDR3 SDRAM 8 GB eMMC Flash | 512 MB DDR3L | | 3 | GPIO Pins | It has 12 GPIO pins | It has 12 GPIO pins | Eight PMIC GPIO pins are available | It has 69 GPIO pins | | 4 | Min power | It requires a power supply of 700mA | Low power voice activation requires 0.65mA | 5V/5A universal power supply | It requires min power of 210mA | | 5 | Processor Speed | It uses 700 MHz for processing | It uses 2.3 GHz for processing | It uses 1 GHz for processing | It uses 1 GHz for its processing | |  |  |  |  |  |  | |