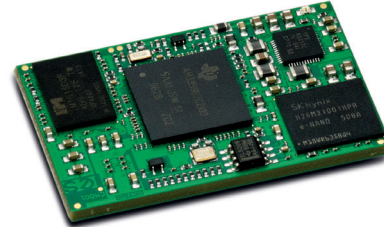


## BeagleCore™ BCM1

### 1. Description

The BeagleCore™ BCM1 is a miniaturized computer module for industrial or commercial applications covering all core features of BeagleBone Black. It is designed to address the Open Source Community, early adopters, and anyone interested in a low cost ARM Cortex A8 based processor. It enables users to design their own embedded devices while remaining a maximum compatibility with the BeagleBone Black.



### 2. Applications

- Condition monitoring predictive maintenance
- IoT industrial automation, home automation, motion control

- Temperature range 0...60°C (optionally: -40...85°C)
- Humidity operating / storage 10 to 90% / 5 to 95% r. H. non cond.

### 3. Features

- Controller TI AM335x Cortex-A8 "Sitara"
- Memory 512 MB DDR3, 4 GB 8-bit eMMC
- Clock rate 1.0 GHz
- Communication 1x RGMII Interface for 10/100/1000 MBit LAN, 1x USB 2.0 Host & Client, 1x SDIO (for SD memory cards), 1x UART / 1x JTAG (for debugging), up to 59x GPIO for HDMI, CAN, I<sup>2</sup>C, etc.

- Size 48mm x 31mm x 3.5mm
- Additional compatible with BeagleBone Black, 100% Open Source, no need to rewrite your code, LGA soldering module

#### More information

If you are looking for more information on BeagleCore™ BCM1 you find it here:

Website: <http://beaglecore.com>

GitHub: <https://github.com/BeagleCore/Hardware>

