



BEAGLECORE™ BCM1

DATASHEET

ABOUT BEAGLECORE™

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.

SMALL & POWERFUL

- size: 48 mm × 31 mm × 3.5 mm
- processor: Texas Instruments AM335x Cortex-A8 “Sitara”
- clock rate: 1.0 GHz
- memory: 512 MB DDR3
- flash: 4 GB 8-bit eMMC
- temperature range: 0...60°C (optionally: -40...85°C)
- Operating: 10 to 90% r. H. non cond.
Storage: 5 to 95% r. H. non cond.

EXTENSIBLE

- 1 × RGMII Interface for 10/100/1000 Mbit LAN
- 1 × USB 2.0 Host & Client
- 1 × SDIO (for SD memory cards)
- 1 × UART / 1 × JTAG (for debugging)
- up to 59 × GPIO for HDMI, CAN, I2C, etc.

COMPATIBLE

- compatible with BeagleBone Black
- 100% Open Source
- no need to rewrite your code
- LGA soldering module

MORE INFORMATION ON BEAGLECORE™

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

- Website: <http://beaglecore.com>
- GitHub: <https://github.com/BeagleCore/Hardware>