BeagleBoard-xM

What is BeagleBoard-xM?

BeagleBoard-xM delivers with the help of its AM37x 1GHz ARM processor, enabling hobbyists, students and innovators to bring a project to development fast. Designed with community inputs in mind, this open hardware design brings the previous generations' laptop-like performance and expandability to the next level, while adhering to hand-held power levels. Direct connectivity is supported by the on-board four-port hub with 10/100 Ethernet, while maintaining a tiny credit-card-sized footprint.

Processor: [AM37x 1GHz ARM Cortex-A8 compatible](#)

- More than 2,000 Dhrystone MIPS
- Up to 20 million polygons/second graphics
- HD video capable C64+TMDSP core
- 512 MB LPDDR RAM

Connectivity

- 2D/3D graphics accelerator
- 4 USB 2.0 ports
- MMC/SD connector
- DVI-D port
- S-Video port
- USB mini AB connector
- Ethernet

Software Compatibility

- Angstrom Linux
- Android
- Ubuntu
- XBMC