
Radxa eMMC Module

an detachable embedded storage module

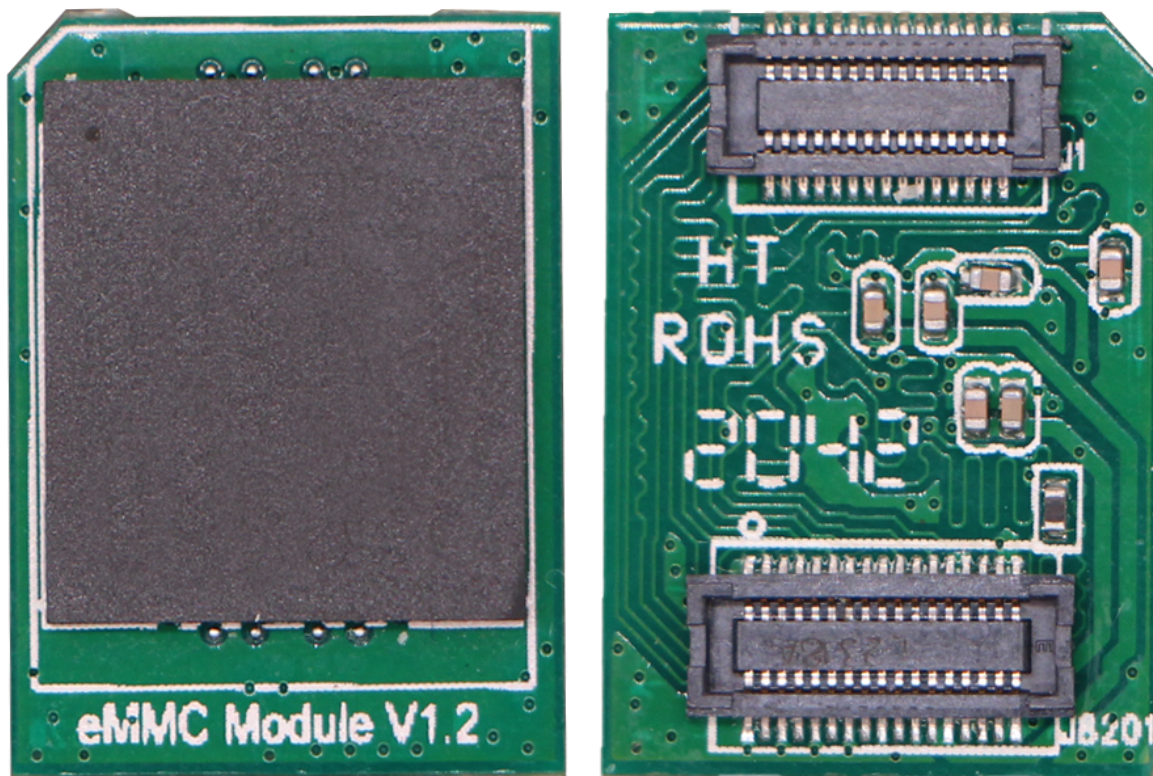
Revision 0.8

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1 Introduction

Radxa eMMC Module is an embedded storage module with high performance and reliability in a ultra small form factor. With dual B2B(Board to Board) connector, Radxa eMMC module can be unplug and replaced without soldering, making embedded system OS or data storage maintenance easy.



2 Features

- High performance eMMC chip
- Offer 8GB, 16GB, 32GB, 64GB, 128GB options
- Optional industrial temperature range version available
- Used for data storage as well as OS booting

3 Connector

Dual B2B connectors are used on eMMC module for signal and mouting, the models are:

- Connector 1: GB042-34S-H10 (socket-34pin) for eMMC data and control signal
- Connector 2: GB042-30S-H10 (socket-30pin) for mounting

The corresponding mating connectors model are GB042-34P-H10 (plug-34pin) and GB042-30P-H10 (plug-30pin).

4 Pinout

Connector1 socket-34Pin:

| Signal | Pin | Pin | Signal |
|-------------|-----|-----|----------|
| GND | 1 | 18 | GND |
| EMMC D5 | 2 | 19 | GND |
| GND | 3 | 20 | VCC 1V8 |
| EMMC D4 | 4 | 21 | VCC 1V8 |
| GND | 5 | 22 | VCC 3V3 |
| EMMC D0 | 6 | 23 | VCC 3V3 |
| GND | 7 | 24 | GND |
| EMMC CLK | 8 | 25 | EMMC CMD |
| GND | 9 | 26 | GND |
| EMMC D3 | 10 | 27 | EMMC D2 |
| GND | 11 | 28 | GND |
| VCC 1V8 | 12 | 29 | EMMC D1 |
| GND | 13 | 30 | GND |
| GND | 14 | 31 | EMMC D7 |
| EMMC STROBE | 15 | 32 | GND |
| GND | 16 | 33 | EMMC D6 |
| GND | 17 | 34 | GND |

5 Works with

- Radxa ROCK 3A/3B/3C
- Radxa ROCK 4A/4B/4SE/4C+
- Radxa ROCK 5A/5B
- Radxa USB3 eMMC reader
- Radxa eMMC-to-sd adapter

6 Availability

Radxa guarantees availability of the Radxa eMMC Module until at least September 2032.

7 Support

For support, please see the support documentation section of the [Radxa website](#) website and post questions on the [Radxa Forum](#).