
Radxa eMMC Module

An Detachable Embedded Storage Module

Revision 1.1

2025-04-28



Contents

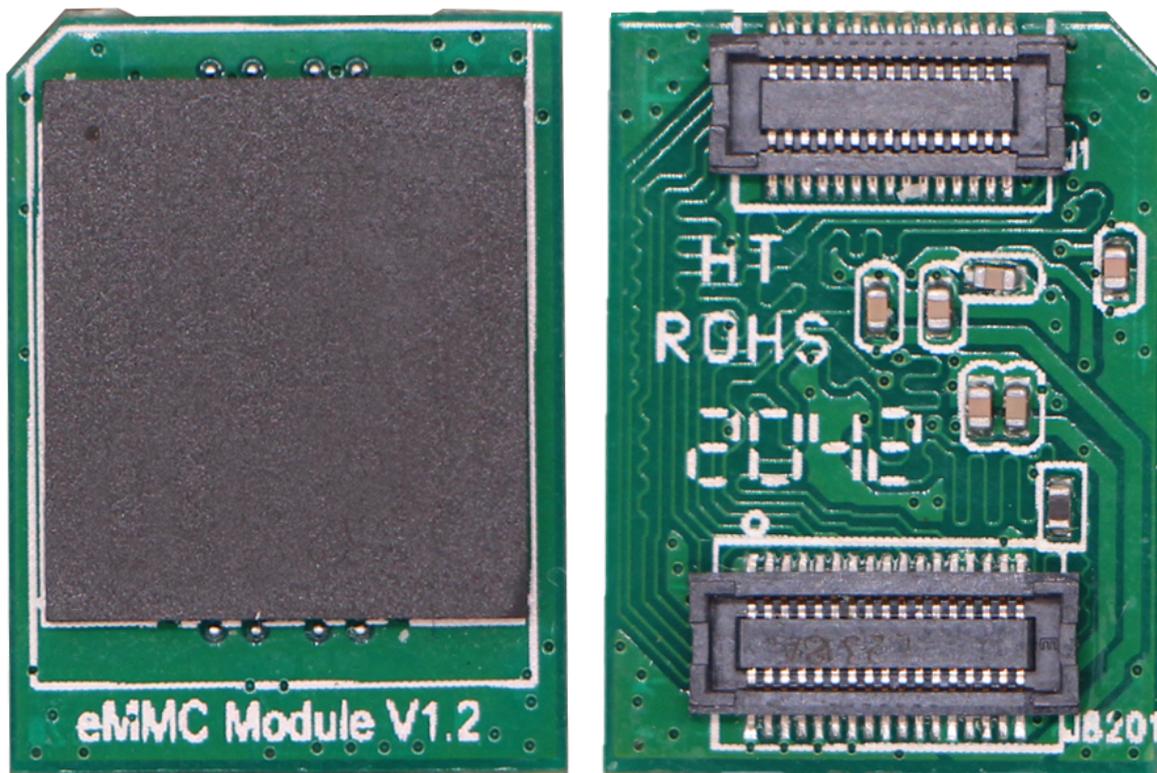
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1 Revision Control Table

Version	Date	Changes from previous version
0.8	27/08/2022	First version
1.0	01/06/2023	Update Images
1.1	2025/04/25	Change PDF fonts to avoid CJK characters

2 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.



3 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

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

5 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

6 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

7 Availability

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

8 Support

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