

EM100 Serial Flash Emulator

Feature: The EM100 is a DediProg Serial Flash Emulator based on RAM memory in order to offer the best update performances. User can select and emulate the standard commands of all the SPI Flash.

The EM100 will reduce your development time thanks to its RAM base memory and debugging features.

“Minutes become seconds for code update”

“Memory content evolution has no more secret for you”

Benefits:

- The shortest code update time in the market: less than 3 seconds for the 128Mb SPI Flash code update
- Display and edit the Serial Flash content

Debug Functions:

- **SPI bus analyzer:** Record and display SPI communication
- **Trigger on SPI events:** define the SPI sequence on which you want to trig
- **SPI Virtual Terminal:** Display debugging message (check points, ASCII, Variables, values, look up table, timing..) from your application firmware to the Host PC through SPI bus. Control your application firmware from the Host PC through the SPI bus. No need of additionnal bus or connector to debug your application.
- **Memory status:** Display information on the memory status
- **Outputs signals:** Reset to synchronize the application and Trig for oscilloscope
- Capable of performing emulation even with Serial Flash soldered on board.



Densities	512Kb	1Mb	2Mb	4Mb	8Mb	16Mb	32Mb	64Mb	128Mb
Real SPI Flash Erase+Program+Verify (second)	3s	4s	6s	12s	18s	25s	40s	90s	190s
EM100 Erase+Program+Verify (second)	3s	3s	3s	3s	3s	3s	3s	3s	3s

