

## GENERAL DESCRIPTION

>> F2M03M-KIT is the newly developed evaluation kit for Free2move's multimedia Bluetooth modules. The evaluation board has extensive I/O functionality for both data and stereo audio streams. The evaluation board is primarily made to evaluate the Wireless Audio firmware but is also intended to be used for other firmwares and custom made applications. The evaluation board gives the possibility to upgrade the Bluetooth module with new firmware using Free2move's Flash utility.

>> HiFi stereo audio streams can be connected in many different ways; using the linear audio connector (line in, speaker and microphone with 3.5mm sockets) , SPDIF or connect the audio to an external codec using the PCM interface with the possibility to use many different digital audio protocols.

>> The F2M03M-KIT has both RS232 and USB-interface for data communication. The USB-interface can either act as a direct connection to the module through HCI or it can be used as a virtual com port for computers without a physical com port. All digital and analog I/O:s can be accessed from pin headers on the evaluation board for external communication.

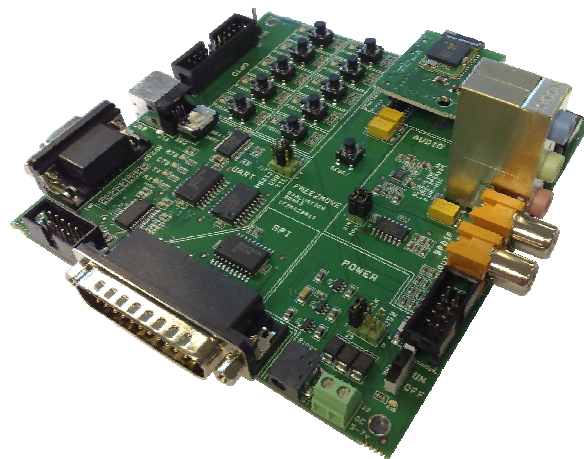
>> The F2M03M-KIT is delivered with all necessary cables, a stereo headset and a CD with manuals and software. The kit does NOT include any Bluetooth OEM-board. They need to be ordered separately!

## KEY FEATURES

- >> 10 GPIO:s with push buttons and led indication
- >> SPDIF-interface (input and output)
- >> Analog stereo audio interface  
(line in, speaker and mic)
- >> Power supply through USB-connector or external adaptor
- >> USB-interface (virtual com port or direct HCI access)
- >> RS232-interface
- >> Programming interface for Free2move's flash utility  
(parallel port)
- >> Pin headers for all digital and analog I/O:s



**RoHS**  
COMPLIANT  
2002/96/EC



## F2M03M-KIT CONTAINS

- >> F2M02BM1 (Evaluation board)
- >> USB-cable
- >> Serial cable
- >> Parallel cable
- >> Stereo headset
- >> CD (Manuals and software)

## ORDER INFORMATION

- >> Evaluation kit:
  - > F2M03M-KIT-1
- >> Bluetooth OEM-board:
  - > F2M02MLA-S03-K (OEM-board with a F2M03MLA module, Wireless Audio Headset Firmware and sockets)

