

EM 4-bit Microcontrollers Tools Development

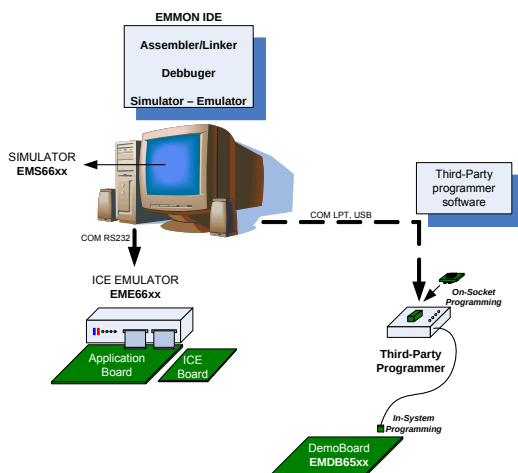
INTRODUCTION

The 4-bit EM Microelectronic microcontroller tools development for the 4-bit EM66xx Microcontrollers are based on EMMON Integrated Development Environment (IDE) software and complete set of hardware tool.

This tool suite is suitable for:

- Software development
 - ✓ Project handling
 - ✓ Editing, Assembling and Linking
 - ✓ Debug & Simulation
- Hardware Emulation
- Flash/EEPROM Microcontroller programming
- Evaluation and testing with DemoBoard.

This Development tool set consists of:



EM Microelectronic-Marín SA Deliverables

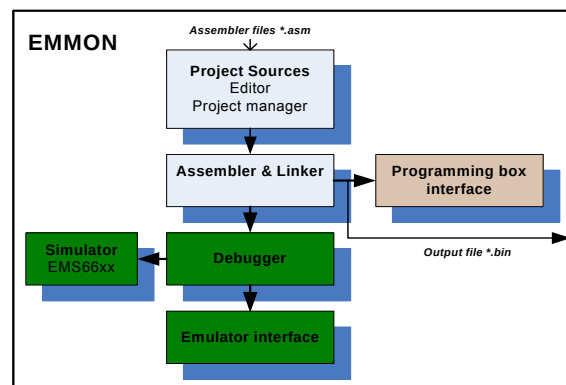
- EMMON IDE and Simulator EMS6500
- Hardware Emulator EME66xx
- Programming Box EMPB65xx
- DemoBoard EMDB65xx
- Cables and connectors
- Documentation

System Requirement

- Windows 95/98 / NT 4.0 / 2000 / XP
- Required free disk space : 10MB
- 64MB RAM

DEVELOPMENT FLOW

■ EMMON IDE



Features:

- Windows-based development tools
- Graphic user interface
- Integrated Assembler and Linker
- Source level debugging for ASM
- Multi-Source text editor
- Embedded Debugger
- High-Level Simulator
 - ✓ Unlimited breakpoints
 - ✓ Conditional breakpoints
 - ✓ Trace
 - ✓ All operating modes simulated
- Programming Box interface

■ Hardware Emulator

The hardware Emulator EME66xx allows to run your application and benefit of all the hardware debug features available.

Features:

- Unlimited breakpoints
- Conditional breakpoints
- Trace
- Real-Time Emulation
- All operating modes emulated
- RS232C Serial Com
- I/O port level shiftable
- Connection to external application
- Support all Microcontrollers target with dedicated configuration



EM66xx Tools

■ Third-Party programmer

The programmer allows burning your EM68xx Flash samples.

Features:

- LPT, USB
- CRC check
- Driven by Third-Party software
- In-System-Programming
- On-Socket-Programming
- Packages programming adaptor available

Third-party programmer supplier

- ELNEC Company (Universal programmer supplier)
support EM65xx MICROCONTROLLERS
<http://www.elnec.com>
- XELTEK Company (Universal programmer supplier)
support EM65xx MICROCONTROLLERS
<http://www.xeltek.com>

■ Demoboard

The EMDB65xx demoboard allow evaluating the EM65xx and testing your application.

Features:

- Microcontroller samples EM65xx
- Multi-configuration (switch, jumper)
- Keys, buttons, led, user area
- External IO pulls
- In-System-Programming support
- LCD display support

ORDERING INFORMATIONS AND DELIVERY

Designator	Reference	Delivery
In-Circuit Emulator for EM66xx	EME6600 (Please specify the circuit Number)	EM Microelectronic
Demo Board for EM65xx	EMDB65xx (Please specify the circuit Number)	EM Microelectronic
EMMON Free	EMS6500	EM Microelectronic (Website free download)
THIRD-PARTY Tools	—	Third-Party company EM Microelectronic

EM Microelectronic-Marin SA reserves the right to change the emulator specifications without notice at any time. You are strongly urged to ensure that the information given has not been superseded by a more up-to-date version.