



## EM 4-bit Microcontrollers Tools Development

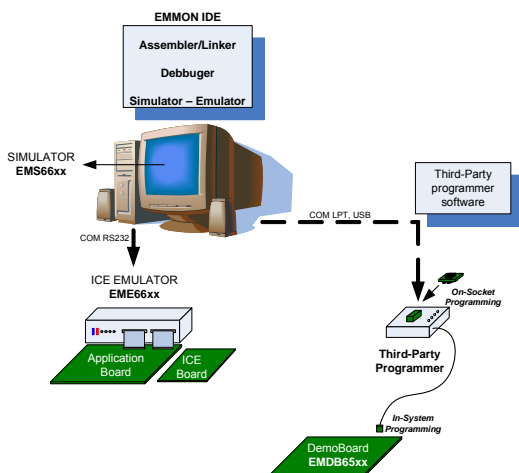
### INTRODUCTION

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-Marin SA Deliverables

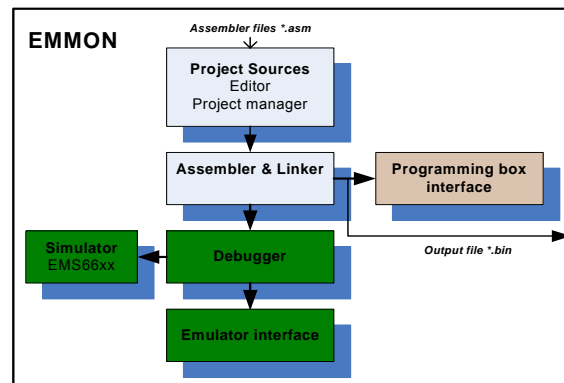
- EMMON IDE and Simulator EMS6500
- Hardware Emulator EME66xx
- Programming Box EMPB65xx
- DemoBoard EMDB65xx
- Cables and connectors
- Documentation

### System Requirement

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

### DEVELOPMENT FLOW

#### EMMON IDE



#### Features:

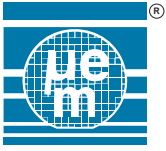
- Windows-based development tools
- Graphic user interface
- Integrated assembler and linker
- Source level debugging for ASM
- Multi-Source text editor
- Embedded Debugger
- High-Level Simulator
  - ✓ Unlimited breakpoints
  - ✓ Conditional breakpoints
  - ✓ Trace
  - ✓ All operating modes simulated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



## ■ 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 <b>Free</b>	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.