

# SMSC SuperI/O support for SECOMExp-ION COM Module

## *Revision History*

Revision	Date	Author	Changes
1.0	1 <sup>st</sup> June 2012	S.B.	First version

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# 1 Preface

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This is a document about the support, on carrier board not directly designed by SECO, of Super I/O IC different from Nuvoton W83697UG or W83627HG, which are directly recognised and managed by board's BIOS

## 2 SMSC SCH 3114 support

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According to other form factor standards, it has been added the possibility of managing also an SMSC SCH3114 SuperI/O chip, able to support four serial ports.

This management has been added in the additional BIOS loaded by default BIOS during Power On phase.

Additional BIOS activate support for 4 Serial Ports, COM1 (address 3F8H, IRQ4), COM2 (address 2F8H, IRQ3), COM3 (address 3E8H, IRQ5) and COM4 (address 2E8H, IRQ7), and for LPT1 port (address 378H, noIRQ). IRQ3, IRQ4, IRQ5 and IRQ7 must be set to "Reserved" in "ADVANCED MENU" → "PCIPnP Menu" to let these settings work.

Other peripherals included in SMSC SuperI/O pinout (like Floppy Disk Drive, PS/2 Mouse and keyboard interface) are not initialized and cannot be added to the global management. They are not included neither in COM Express specifications, however.

The management of the Serial ports and Parallel Port has been included in ACPI tables; therefore, ACPI-aware OSes (like Windows) will detect and configure automatically serial and parallel ports.

In case you should experience any problem with SMSC SCH3114, please contact [hardware@seco.com](mailto:hardware@seco.com) with a detailed description of problems encountered.