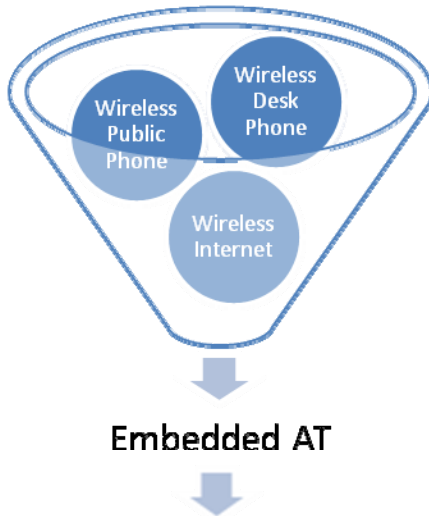




Embedded AT

A SOLUTION TO MAKE WIRELESS SIMPLE



SIMCom GSM/GPRS Module

We understand the importance and the convenience of embedded wireless communication. Our Embedded AT can be your solution towards a lower cost and more efficient system. The Embedded AT development kit let you setup and start developing the embedded application you always want in a matter of hours. Fully supported by SIMCom's line of products, it ensures your existing and future hardware will always be compatible.

Rapid Development

Extensive APIs which offer access to core functionalities in just one function call
Intuitive tools which let you start coding right away
Resourceful documentation
More abstract than AT commands
More focused development which means less time on the frameworks and more time for perfecting your products
A better way to cut costs and to reduce development time

Versatility

Allows customizing your AT commands with countless possibilities to bring out the most creativity from your developers

Stability

Shields the core system from application developers, thus reduces the chances to introduce new bugs
Independent memory regions which protect both embedded applications and the core system

Reusability

LET'S WIN TOGETHER !

EMBEDDED AT SPECIFICATIONS

Embedded AT Development Kit Contents

- Technical specifications
- Build environment
- Build tools
- Flash update tool
- Sample projects
- SIMCom core system
- SIMCom modules
- Serial cables

Product Features

- ARM9 run at 156MHz
- Module flash 64Mb
- User locatable resource:
 - 1MB of RAM memory
 - 1MB of code memory (flash)
 - 1MB of non volatile memory
- Supports up to 24 GPIO pins*
- ADC input
- UART port
- Multiple interrupt inputs
- Square wave generator

Other Requirements

- PC with Windows 98 or later installed
- ARM Compiler and Linker
- RTK Operating System

Interfaces

APIs available at current release:

- Audio API
Play/stop audio tracks
- FCM API
Data flow control manager
- Flash API
Flash memory management, write/read functions, and etc.
- System API
System functions, the API for retrieving system event, updating embedded applications, resetting/switching off embedded system and more...
- Periphery API
SPI bus service
GPIO management
Interrupt pin
- Timer API
Create/start/stop timer
- Debug API
Turn on/off debug mode
Print debug information

*Only supported on some modules

