

SC14CVMDECTDEVKT:

One development kit, endless application options; The easiest way to program a wirelessly connected module

Dialog's SC14CVMDECTDEVKT is a complete wireless system development kit including two development boards with modules and pre-loaded firmware to support Co-Located Applications (CoLA).

The development boards contain the SC14CVMDECT Modules, which can be configured as a basestation (fix part) or as an end unit (portable part). Configured as basestation, it also supports the DECT-ULE (Ultra Low Energy), the standard for Home Automation Applications. Both boards can connect with Man Machine Interface (MMI) boards, equipped with general-purpose buttons and LEDs.

Applications are easily created from these boards using the APIs defined by the module firmware and the CoLA framework. And all user applications can be flashed onto the internal memory of the module without changing anything in the Operating System (OS) stack; the OS detects the presence of the user application and will execute accordingly.

By implementing this with the CoLA system, Dialog has simplified the design and build process for software defined applications. Furthermore, this also leads to a significantly shorter Time To Market (TTM).



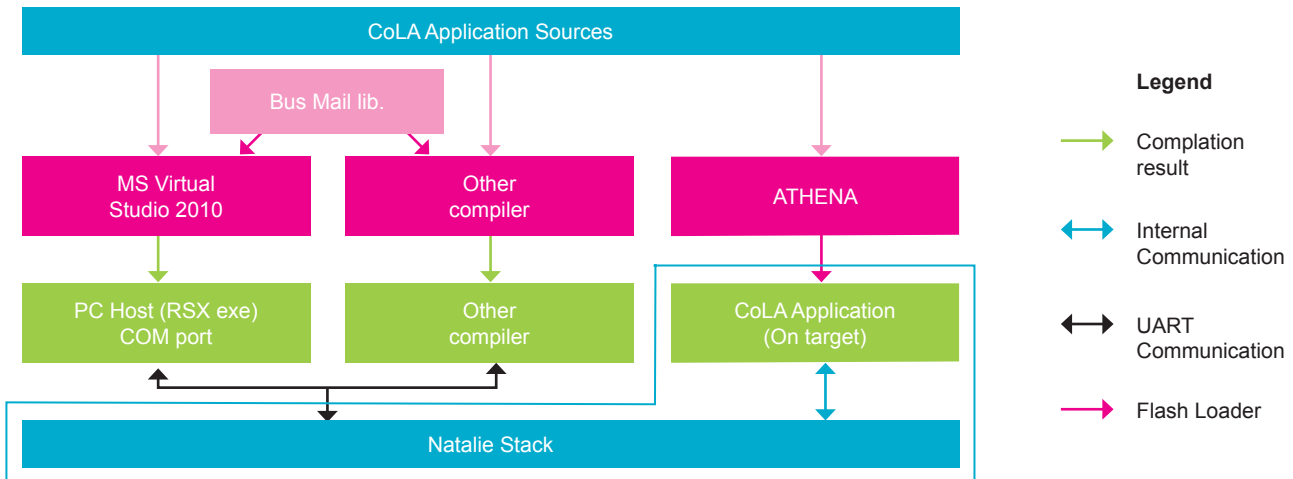


Figure 1

Application development can be done both on the target via an Athena environment and on the host processor as shown in figure 1.

Modules

All CVMDECT modules are fully TBR6, FCC and JDECT approved, meaning products based on CVMDECT can be used worldwide. Furthermore, adopting this approved and proven technology also saves RF and production testing costs.

This small, single-antenna, module is ideal for portable applications and contains all the power needed for a clear and stable connection; enabling conferencing applications, a walkie-talkie system or end-node sensor devices for the HAECs (home automation, energy control and security) markets. Furthermore, because they are based on the DECT standard, they are

operational to a range of 300m and beyond. To aid the development process, several example applications are supplied, each of which comes with detailed documentation and an overview of the principals involved.

DECT-ULE

This latest standard for Home Automation using the 1.9GHz frequency band is also supported in the FP of this development kit.

Dialog has created a separate ULE Development Kit which consists of a CVM-FP and two sensors. These highly efficient sensors last up to 10 years on a single AAA battery pack. It has been created to enable the growing number of diverse technology and consumer product companies to capitalize on the huge demand for ultra-low energy devices.