Natalie DECT / CAT-iq software kit

Develop your own PSTN and IAD software applications

General Description

Dialog's Natalie software kits make it easy to develop and implement your own cordless telephone, video or data applications. They combine a comprehensive, scalable wireless protocol software stack with software development boards, debugging tools and simple application code examples.

The kits come complete with a standard man-machine interface (MMI). You can use this, together with the debugging tools included, to quickly develop your own, fully customized and application-specific MMIs.

Based on a user-friendly, modular architecture, Natalie software kits can be used with the entire Dialog product family. They are completely field upgradeable, and the proven DECT protocol stack from RTX is regularly updated with the latest CAT-iq feature releases.

Benefits

- Enables fast and easy implementation of applications on Dialog hardware platforms
- Scalable across the entire Dialog range of voice modules, baseband ICs and RF transceivers
- Reduces code-space usage in PSTN applications enabling the widest range of functionality on the most cost-efficient hardware platforms
- Allows smooth software upgrades for IAD applications following the CAT-iq roadmap

Features

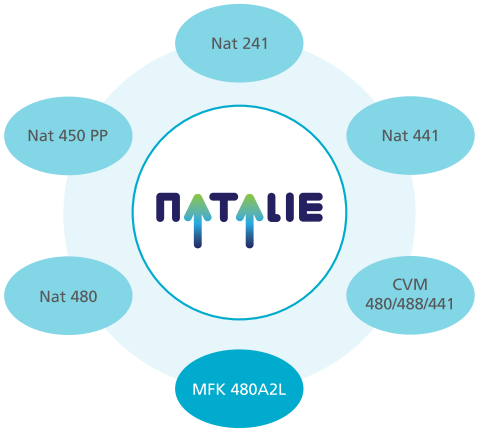
- Includes DECT, DECT6.0, KDECT and 2.4 GHz protocol stacks
- Software available as source and / or object code
- Supports hardware-related functionality such as DSP software as well as general functionality such as OS and EEPROM
- Support for wideband audio

Deliverables

- Software development boards for different standards as DECT/DECT6.0, KDECT or 2.4GHz or IAD applications are available on request.
- Debugging tools: Nexus development debugger for JTAG interface and debugging tools for mail trace and EEPROM editor.
- Demonstration MMI with target source code examples and keypad / LCD emulation on PC for verification of functionality and development.
- Documentation of software platform, development environment, datasheet, source code documentation, and training material

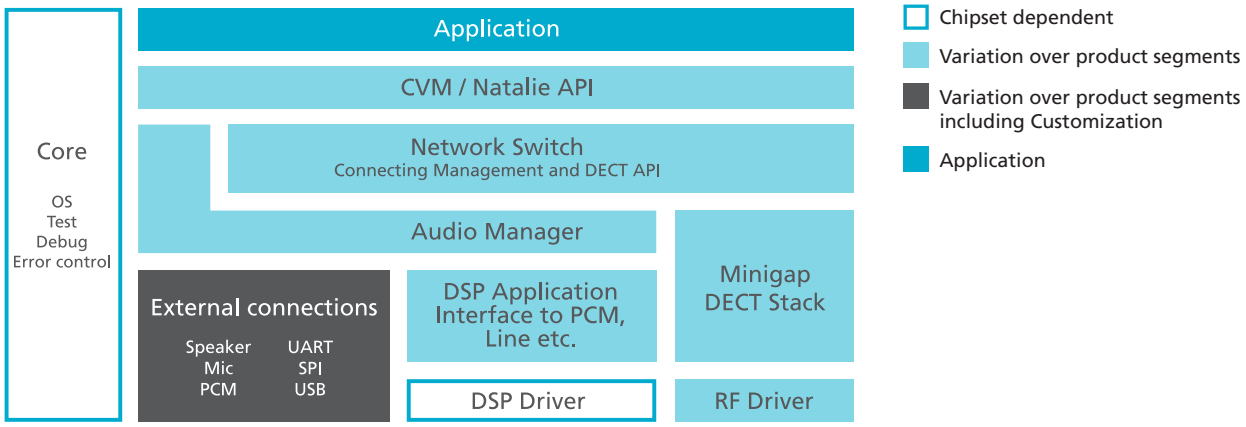
Technical specifications

Natalie software model



Nat 480	Handset and basestation software for single-chip SC14480
Nat 450 PP	Handset software for baseband SC14450 with external transceiver LMX4180/LMX4181
Nat 241	Handset and basestation software for single-chip SC14241 (2.4GHz ISM band)
Nat 441	Handset and basestation software for single-chip SC14441
CVM 480/488/441	Basestation software for voice modules based on SC14480, SC14488, SC14441
MFK 480A2L	PSTN manufacturing kit software for single-chip SC14480

Example IAD protocol stack implementation



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