

## DHAN-T-DEV Data Brief

### Description

This platform can be used for application SW development as well as a building block for customer Proof of Concept systems. The DHAN-T embedded in the DHAN-T-DEV comes with a Dual-Mode CMBS (FP) / CMND (PP) communication SW stack. DECT-ULE Hub/Gateway developers can write their application SW on a Linux or non-Linux processor, compile in the DECT CMBS libraries and interface with the CMBS (Hub) communication stack already loaded into the DHAN-T module. Similarly, ULE Device developers can write their application SW on an external processor and interface with the CMND communication stack loaded in the DHAN-T. Alternatively, on the ULE Device side, developers can incorporate their application host directly on top of the DHAN-T communication stack.



### Features

\*Operates 1.9GHz frequency bands allocated by regulatory bodies (FCC Part15.239, ETSI EN300175, ARIB STD T101) exclusively to DECT-ULE protocol compliant devices.

\*Includes DHAN-T SMT radio module with on-board antenna. The DHAN-T is loaded with a complete DECT-ULE communication SW stack and can boot as either a DECT-ULE Hub (=FP or Base) or a ULE Device (PP or Node)

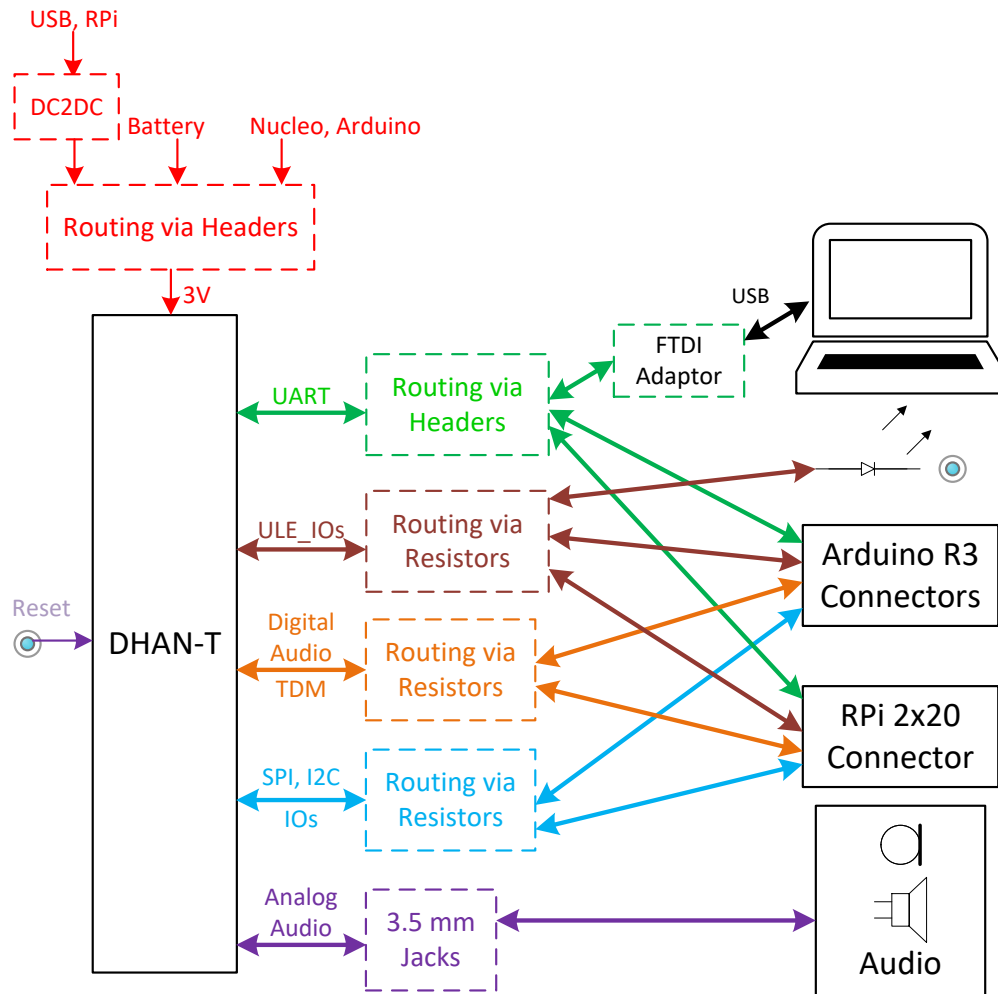
\*Easily configurable (jumpers) for power supplied by the PC USB port (there is a DC2DC with 3V output), a 3V Power Supply or powered from the 3.3V pin at CN6 on the Arduino interface

\*Configurable routing ((resistor jumpers) of DHAN-T UART, TDM, ULE IOs and general IOs to the Arduino R3 or 2x20 RPi connector

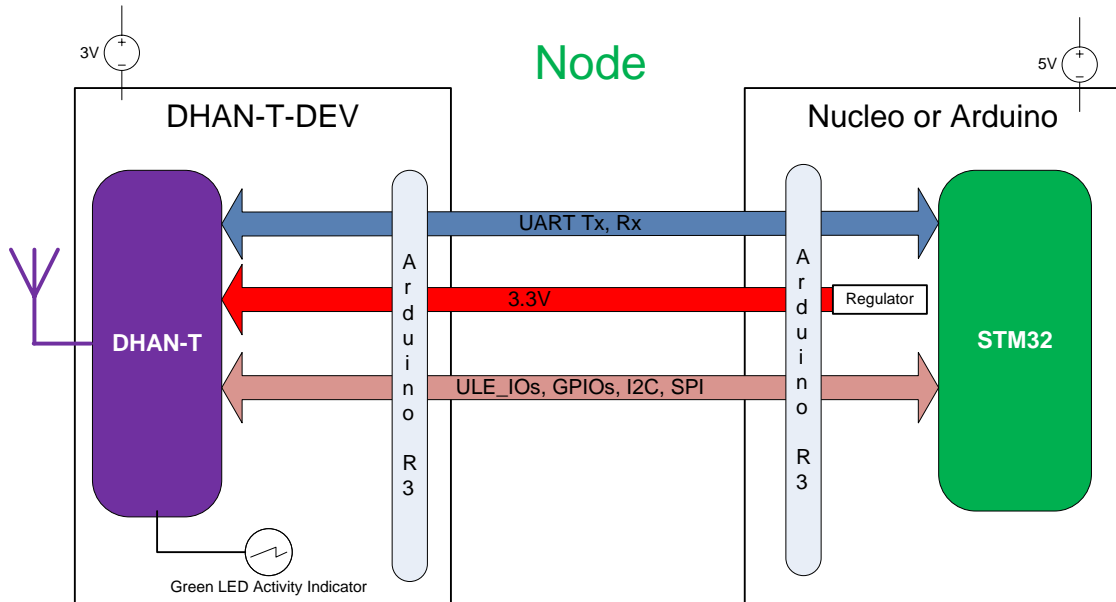
\*Firmware on the DHAN-T can be upgraded either via JTAG, USB or over the air (SUOTA) from a ULE Hub

\*ULE Device application SW can run on a Windows PC (CMND API Simulator) or an external processor like the STM32. Alternatively, the application Host can be incorporated in the DHAN-T SW stack

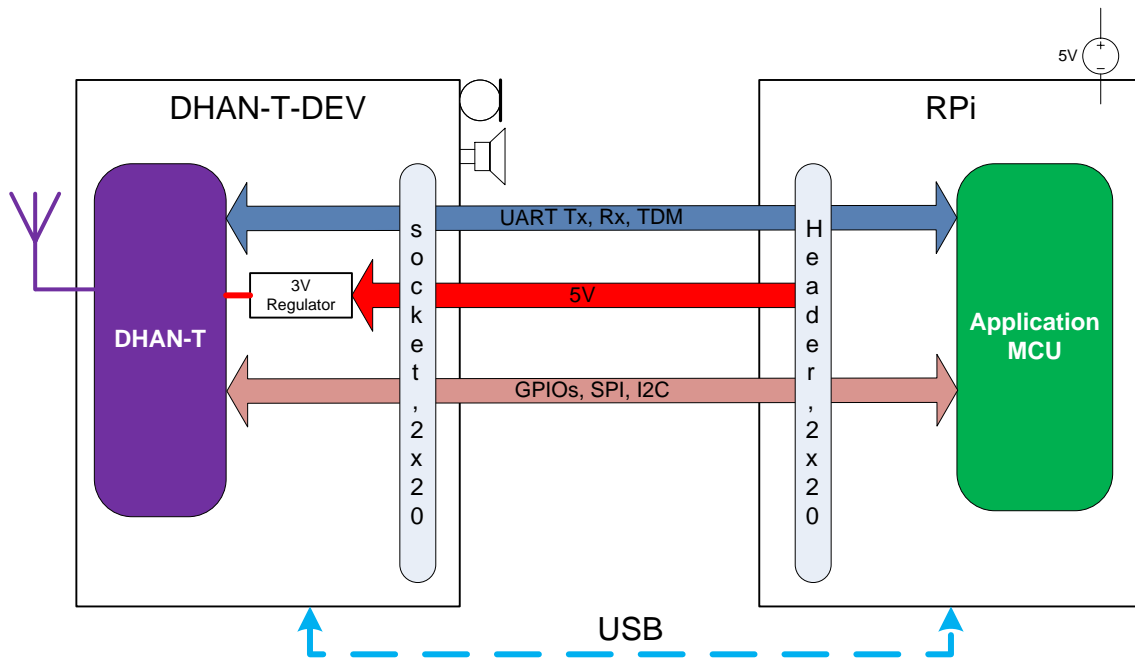
# DHAN-T-DEV Block Diagram



## CMND App Block Diagram



## Hub (CMBS) Block Diagram



## Related Documents

\*DHAN-T-DEV User Manual

## Ordering Information

Part # is HOMEA-DHX91X-DPDT.BRD

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