STM32 Ultra-Low-Power MCU

Power Measurement of an Ultra-Low-Power STM32L0 LoRa Node

Device-n

Device-n

STM32L0 LoRa Nodes

MultiTech LoRa Gateway

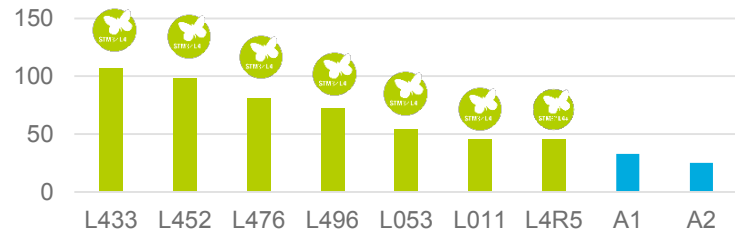**Senet Network Server**

Application Server
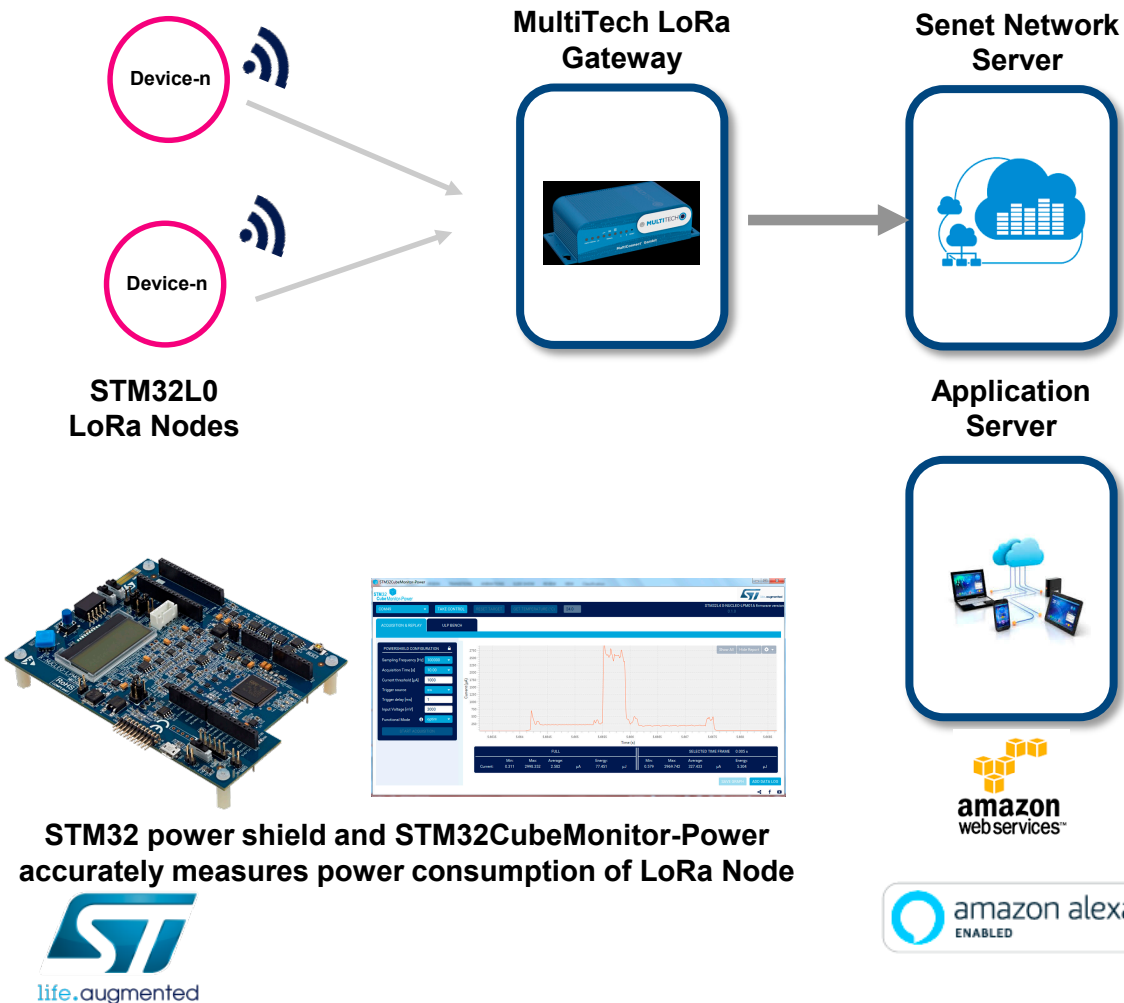
STM32 LoRa node efficiently samples temperature data and transmits the data using the LoRa radio to a MultiTech Gateway. This data is then sent via the Senet connectivity platform to AWS. AVS interaction with STM32L0 LoRa node

STM32 power shield and companion STM32CubeMonitor-Power gives detailed insights that would otherwise require an oscilloscope or other expensive test gear
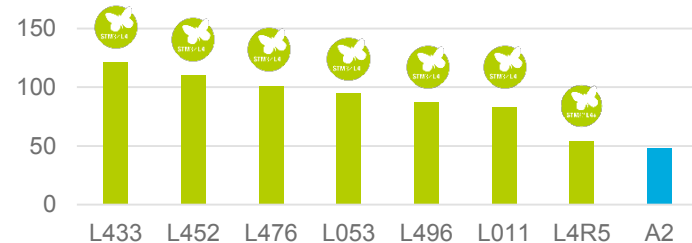
STM32 power shield and STM32CubeMonitor-Power accurately measures power consumption of LoRa Node

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STM32L4+ Ultra-Low-Power MCU

More performance and ultra-low-power leader

ULPMark-PP at 3.0V

ULPMark-PP at 1.8V

EEMBC ULPBench Leader

STM32L4+ ultra-low-power microcontrollers based on the high-performance ARM® Cortex®-M4 32-bit RISC core operating at a frequency of up to 120 MHz

Embedded advanced graphic peripherals: Chrom-ART Accelerator (DMA2D) and Chrom-GRC™ (GFXMMU) for memory optimization for round displays

Outstanding power consumption in all modes: Run, sleep, LP RUN, LP Sleep, stop, standby, shutdown

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