



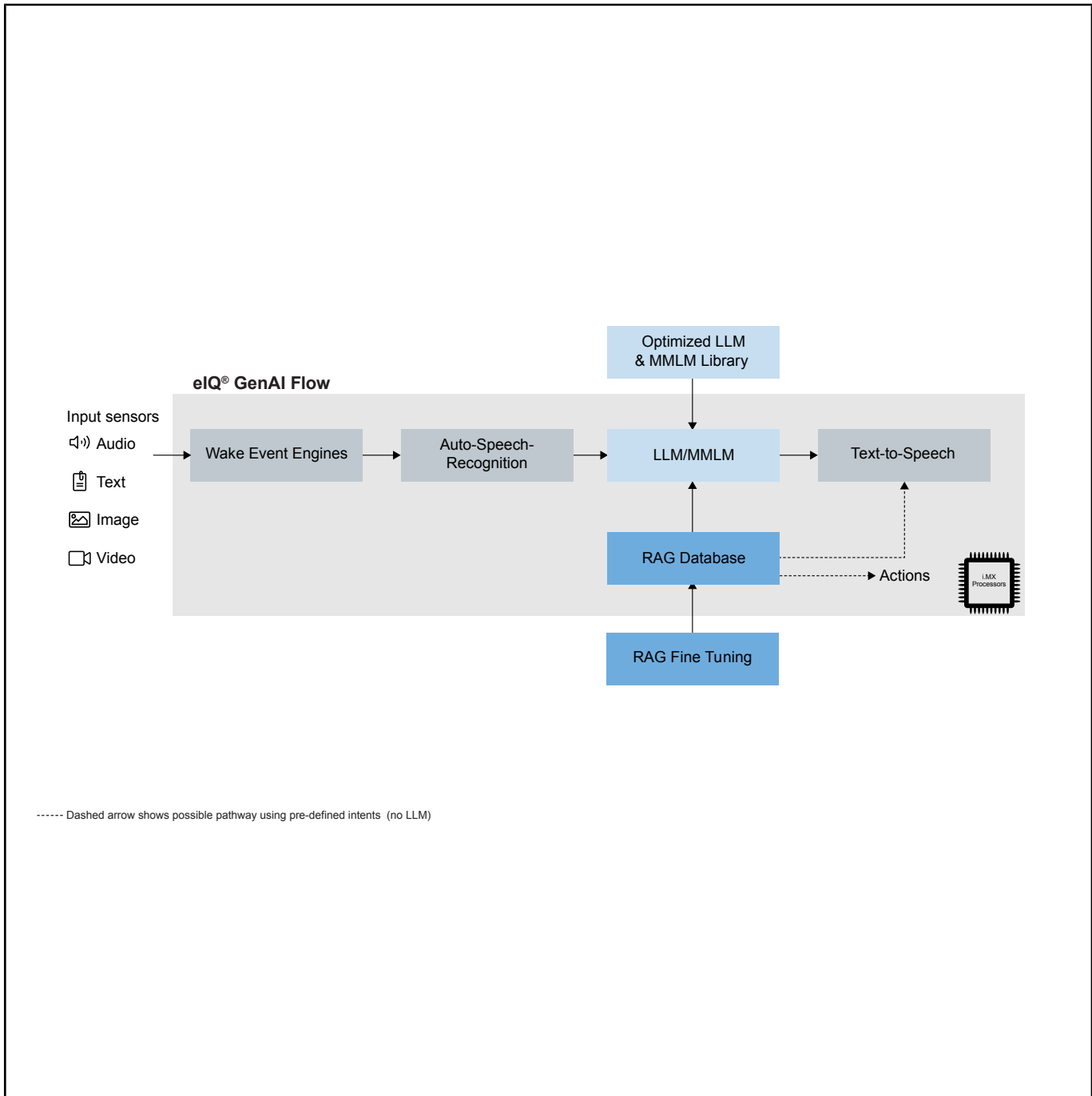
# eIQ<sup>®</sup> GenAI Flow : Conversational AI Software Pipeline on Edge Devices

## GEN-AI-FLOW

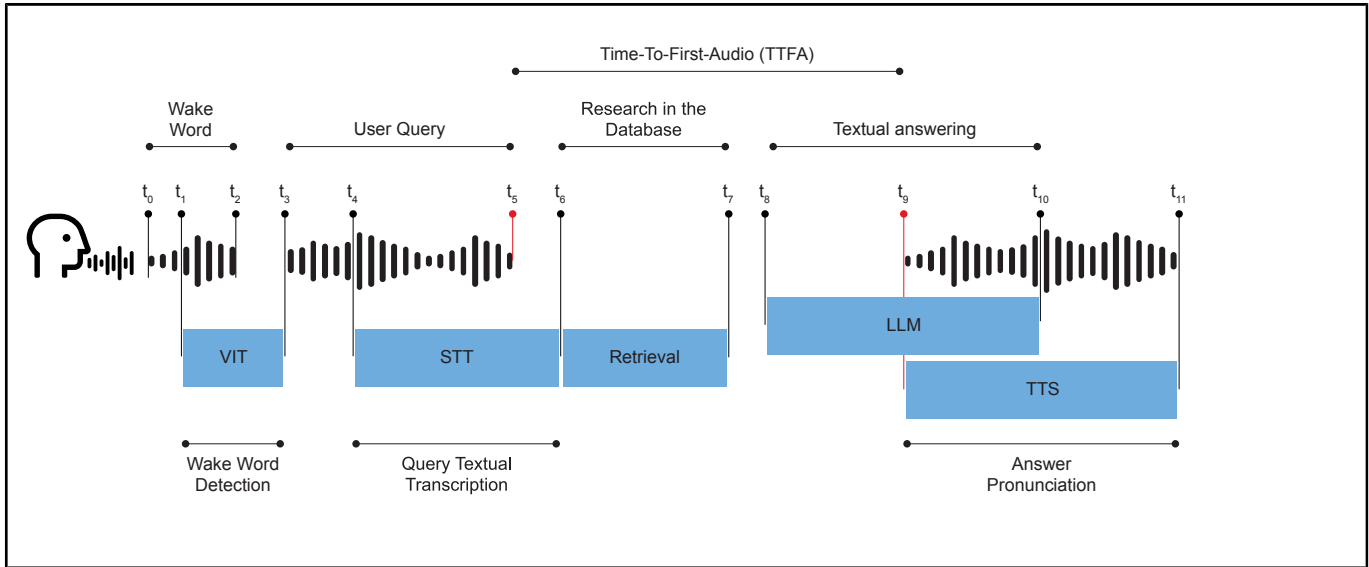
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eIQ Gen-AI Flow is a modular, end-to-end software pipeline optimized to bring large and small language models (LLMs and SLMs) to NXP applications processors like the [i.MX 95](#), [i.MX 93](#) and [i.MX 8M Plus](#). The pipeline includes wake word, speech-to-text, text-to-speech and Gen-AI models to run on device CPU and/or NPU. Gen-AI Flow also includes retrieval augmented generation (RAG) to securely and easily fine-tune LLMs with custom, private knowledge sources like PDFs.

# eIQ GenAI Flow Block Diagram



# eIQ GenAI Flow Execution Time Sequence Block Diagram



View additional information for [eIQ® GenAI Flow : Conversational AI Software Pipeline on Edge Devices](#).

**Note:** The information on this document is subject to change without notice.

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