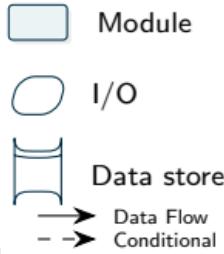


Notation Legend



*Audio Stream*      *Text Input*

**ASR Module**  
Faster-Whisper v3  
(Word Timestamps)

Raw Text  
+ Time

III. CONTEXT & STATE MANAGEMENT

Context Vectors

IV. ORCHESTRATION

**ORCHESTRATOR ENGINE**  
Task Analysis → Resource Allocation → Exec. Plan

V. NEURAL PROCESSING UNITS

confidence <  $\tau$

VI. FUSION & STRATEGY

**TTS Synthesis**  
Piper VITS (On-device)

*Audio Response*

*JSON Stream*