

[Arm Total Solutions for IoT](#) provides a unique solutions-based approach combining the latest specialized processing capabilities with advanced software and tooling. Arm Total Solutions for IoT are ready to implement or build upon, simplifying your design process and streamlining product development.

	Arm Total Solutions for Keyword Recognition	Arm Total Solutions for Voice Recognition	Arm Total Solutions for Cloud-native Edge Platform			
Reference package	Corstone-300	Corstone-310	Corstone-1000			
Host CPU / NPU	Cortex-M55 and Ethos-U55	Cortex-M85 and Ethos-U55	Cortex-A32 / Cortex-A35 / Cortex-A53 and Cortex-M			
Model	Arm Virtual Hardware (AVH) Corstone	Arm Virtual Hardware (AVH) Corstone	Arm Virtual Hardware (AVH) Corstone			
Open-IoT-SDK Code Example	Keyword recognition	Voice recognition (coming in May 2022) Also works with: <ul style="list-style-type: none"> Keyword recognition Pixel Graphx (coming soon) 	–			
Middleware	ML Model: DS-CNN Trusted Firmware-M Tensorflow-micro Kernels: RTX FreeRTOS Azure RTOS*	TCP-IP Stack: lwIP FreeRTOS TCP-IP Azure RTOS TCP-IP* * coming in June 2022	ML Model: tinyWav2Letter Trusted Firmware-M Tensorflow-micro Kernels: RTX FreeRTOS Azure RTOS*	TCP-IP: lwIP FreeRTOS TCP-IP Azure RTOS TCP-IP* * coming in June 2022	SystemReady: SystemReady IR Kernel: Linux OS: OpenSUSE	Secure Boot: Trusted Firmware-A Trusted Firmware-M Mbed-TLS OP-TEE IPC: openAMP
Tools	Arm Compiler for Embedded Keil MDK	Arm Compiler for Embedded Keil MDK	Arm Development Studio			
CI / CD integration	CircleCI , GitLab , GitHub , Jenkins					

[Get Started with Corstone-300](#)

[Get Started with Corstone-310](#)

[Get Started with Corstone-1000](#)