

# SoundHound



Grind some coffee beans and make me an espresso


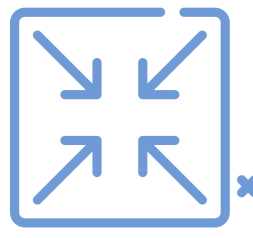
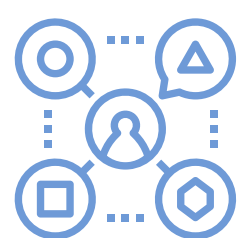






Drink is prepared



## SoundHound *Edge* and Cloud Connectivity Solutions for Smart Devices

*Edge* connectivity solutions give brands choice and flexibility over their voice-enabled devices by providing options ranging from fully-embedded to *Edge+Cloud* and exclusively cloud-connected.

SoundHound’s suite of *Edge* and *Edge+Cloud* connectivity solutions offers voice AI connectivity options to fit the needs of every device manufacturer. Voice-enable devices with a customized edge solution that's fully-embedded, combine on-device functionality with access to the cloud, or choose a cloud-only connection. We give you the freedom to choose the solution that best fits your Natural Language Understanding (NLU) requirements, CPU processing power, privacy needs, and use cases.

Security and Privacy	Unmatched Flexibility	Return on Investment
 <b>Secure</b> Embedded solution stores and processes data on device.	 <b>Small Footprint</b> EdgeLite low memory voice AI offering is optimized for devices with space and memory constraints.	 <b>Personalize the Customer Experience</b> Real-time user data can be used to deliver personalized user experiences.
 <b>Fast</b> Edge connectivity facilitates rapid decision making because data never leaves the device.	 <b>Suited for Your Industry</b> Custom domains available for device-specific use cases along with access to an extensive library of cloud-based domains.	 <b>Direct-to-Consumer Commerce</b> Voice advertising and monetization opportunities provide real revenue generation.
 <b>Reliable</b> Continued operations even when the internet is unavailable.	 <b>Update Anytime</b> OTA Firmware updates are available through cloud connectivity, allowing developers to upgrade and add new voice features anytime.	 <b>Revenue Sharing</b> Revenue sharing opportunities with service providers through proactive and reactive voice transactions.



FEATURES

- Local data storage and processing
  - Low power CPU and RAM option
  - Custom Commands
  - Full NLU
  - 25 languages
- Hundreds of content domains
  - Cloud connectivity options
  - Full visibility into data and usage
  - Enables voice advertising
  - Enables voice transactions

Technical Details

For the English language<sup>1</sup>. Memory requirements do not include embedded TTS.

PRODUCT	RAM (MB)	ROM (MB)	GPU	Network Connectivity
<b>EdgeLite</b> Processes data locally without the privacy or connectivity concerns of the Internet. Developers have access to natural language commands with less CPU impact, a bundled wake word, and the ability to instantly update commands.	27-45	50	No	No
<b>EdgeLite+Cloud</b> The capabilities of EdgeLite with the flexibility to use the cloud to retrieve information or push product updates.	27-45	50	No	Yes
<b>Edge</b> Fully-embedded voice AI solution with as much NLU capabilities as necessary for hands-free convenience without privacy concerns. Includes accessibility to custom commands and the ability to create domains for on-device functionality.	950	2,000	Yes	No
<b>Cloud</b> Equip your voice assistant with real-time data, deliver the most relevant responses to queries with no restrictions on your device CPU and memory, and retain ownership of your customer relationships with access to data and analytics.	2-8	4-20	No	Yes
<b>Edge+Cloud</b> The capabilities of Edge with the flexibility of cloud connectivity. Deliver the level of cloud connectivity that best matches your product and users.	950	2,000	Yes	Yes

Embedded TTS Specifications

Available in 36 languages<sup>2</sup>

Voice Quality	ROM	RAM
Low	5 - 15 MB	2 - 10 MB
High	40 MB - 500 MB	2 - 10 MB

Hardware Requirements

EdgeLite and TTS are compatible with ARM Cortex-A and x86 CPUs (both 32-bit and 64-bit). For example, Raspberry Pi2 and Pi3.

Edge is compatible with Nvidia Jetson series (e.g. Jetson TX2), Qualcomm Snapdragon (e.g. s820am), Renesas R-Car H3.

<sup>1</sup> Speak to an expert to learn about memory requirements of other languages.  
<sup>2</sup> Speak to an expert to find out which languages are available

