





 **COGS - HA**  
*Home Automation*

# COGS HA - Home Automation



 COGS HA provides autonomous, customizable and interoperable IoT software for appliance and consumer electronic manufacturers.

 COGS HA connects an OEM product to the consumers entire smart home IoT ecosystem; regardless of the consumers choice of device, platform or protocol.



Replace the expensive, error prone, manual, legacy process of developing application programs using application program interfaces and application programmers, with an easy to use, secure, reliable, efficient and cost effective automated system.

# COGS HA - Interoperability

 COGS HA brings smart automation, environmental and entertainment control to any manufacturer, in any language, for any region, device, service, protocol, and platform, with no user application programming required.




 COGS HA offers full interoperability and cross-platform compatibility and an unlimited ability to scale.



*“Until interoperability is solved, consumers will have difficulty choosing smart home devices and systems.”*

**Source: Business Insider Report**

# COGS HA - Autonomous & Scaleable

-  COGS can work autonomously for real-time applications, no internet or cloud services required.
-  COGS entirely eliminates monthly recurring cloud costs.
-  COGS scalability means large numbers of autonomous platform based products are able to reliably coordinate their actions towards a common set of shared goals, without requiring a scaling up of centralized server resources.



Everything Works Better  
when  
Everything Works Together

# COGS HA - Key Features and Benefits

- ❁ Built in ReST API
- ❁ HTML/CSS/Javascript User Interface
- ❁ Modular protocol device and service drivers
- ❁ Kernel requires less than 500K
- ❁ Suitable for endpoint embedding
- ❁ Suitable as kernel for utility scale, distributed, cloud service deployment
- ❁ Maximizes performance of multi-core hardware
- ❁ Fixed development cost
- ❁ Reduced time to market
- ❁ Managed development risk
- ❁ An autonomous virtual agent
- ❁ Supervised machine learning
- ❁ Decision management
- ❁ Robotic process automation
- ❁ Natural language generation
- ❁ Secure interoperation with IoT ecosystem
- ❁ No programming required
- ❁ Full interoperability
- ❁ Cross-platform compatibility
- ❁ Cross-region, multi-language user interface
- ❁ Fully reentrant and rom-able run-time