

Protocol	Description	Limited	Standard	Plus
Smart-Home Insteon	All Insteon devices from SmartHome, including switches, modules, thermostat, irrigation controller, sensors, and others are supported. The Insteon 2413 Model PowerLinc required for Insteon support. More information is in the User Guide Insteon appendix .		X	X
Powerline Control Systems UPB	All UPB Devices from PulseWorx, Simply Automated, and Web Mountain, and others are supported. More information is in the User Guide UPB appendix .			X
Global Cache IR	All GC-100 models and iTach units are supported. Up to four IR Interfaces can operate with HCA simultaneously. More information is in the User Guide IR appendix .		X	X
Phillips Hue	Complete support for Philips Hue color light bulbs using the Phillips Bridge. More information is in the User Guide Phillips Hue appendix .			X
TP-Link	Support for TP-Link Smart Wi-Fi plugs and Smart Wi-Fi light bulbs. More information is in the TP-Link tech note .			X
LIFX Lighting products	Support for the LIFX color changing lighting products. More information is in the LIFX tech note .			X
Samsung SmartThings	Integration with Samsung SmartThings cloud. Devices that are managed by the SmartThings hub can be integrated with HCA for control using a library package. This includes ZWave and Zigbee devices. More information is in the SmartThings tech note .		X	X
Hubitat Elevation	Integration with Hubitat Elevation hub. Devices that are managed by the Hubitat hub can be integrated with HCA for local control using a library package. This includes ZWave and Zigbee devices. More information is in the Hubitat Tech Note .		X	X
IP Cameras	Control of IP Cameras that follow the Foscam protocol are supported. More information is in the User Guide IP Camera appendix .			X
WGL Wireless	Whole home wireless for receipt of X10 wireless motion sensors and X10 “security” sensor transmissions. More information is in the User Guide Wireless appendix .		X	X
X10	All X10 devices from a variety of manufactures are supported. The SmartHome 2413 interface can also be used to send and receive X10. The older X10 interfaces are supported: X10-USA CM11, Marrick Interfaces, and Elk Magic Module. If you are using the CM15 we recommend that you switch to the SmartHome PowerLinc model 2413. This provides control of all X10 devices plus newer Insteon devices as well. More information is in the User Guide X10 appendix .	X	X	X

ZWave with Leviton interface	We recommend that ZWave and Zigbee be controlled via SmartThings or Hubitat. Limited support for ZWave devices controlled using the Leviton interface. More information is in the User Guide ZWave appendix .			X
Generic IP and Serial Interfaces	The ability to integrate with any interface that communicates over an IP or serial connection. Visual Programmer elements are used to implement the necessary command protocols. More information is in the User Guide Generic Interfaces appendix . There are also several tech notes with examples.			X
Network Devices	HCA can be configured to periodically poll devices using a network PING. Handlers for devices responding and not responding are constructed. Often used to see if a user is in the home or not by their mobile device. More information is in the User Guide Network Devices chapter .			X
Protocol Bridge	Software implementation of a method to Bridge different protocols. HCA acts as a transceiver to convert received commands and addresses between different device command protocols. More information is in the User Guide Protocols appendix .		X	X
Integration with cloud-based NEST and Ring	Support for processing notifications from Nest Thermostat, and Ring doorbell and camera devices. More information is in the Ring and Nest tech notes.			X

Feature	Description	Limited	Standard	Plus
Client Server	HCA Plus includes a server application that loads and executes your design. Connect to that server from other computers locally and over the internet with one or more simultaneous clients. HCA can act as a client to provide full read-write of your design. Windows and phone/tablet apps available for access and control. More information is in the Client Server Getting Started guide , and the User Guide Client Server chapter and the Clients chapter .			X
Voice Assistants	The HCA Server supports voice control of devices, programs, and groups with Amazon Alexa, the Google Assistant, and Apple Siri. More information is in the Alexa Getting Started Guide , the Google Assistant Getting Started Guide , and the HomeKit tech note .			X
Apple HomeKit	With addition of a Homebridge package, selected devices, programs, and groups are exposed to Apple HomeKit as unsupported accessories. More information is in the HomeKit tech note .			X
Phone and Tablet apps	Native Android and iOS applications are available in the Google and Apple app stores. More information is in the User Guide Clients chapter .			X

Thermostats	Thermostats from a several manufactures are supported. Support for NEST, Insteon, and X10 thermostats is built-in. Ecobee and Venstar support is available using a User Class. More information is also in the User Guide Thermostats appendix .			X
Weather data	All data available from DarkSky.net including local current, historical, and forecast data. Other weather providers are available using library packages. More information is in the User Guide Weather appendix .			X
Designer	An easy way to add and configure devices already installed in your home. More information is in the User Guide Your Home chapter .	X	X	X
Rooms	Devices in a design are organized into rooms and folders. A Room provides additional features besides organization. Devices in a room both can determine the state of a room and respond to it. More information is in the User Guide Rooms chapter .	X	X	X
Home Modes	A quick method to control devices in your home as it responds over a day. More information is in the User Guide Home Modes chapter .	X	X	X
Checkbox Control	Several tools that provide simple configuration but powerful action. Included are Home Modes, Auto Off, and Room control. More information is in the Checkbox Control Tech Note .	X	X	X
Object Creation Wizards	Multi-step wizards are available to guide you through complex procedures. More information is in the User Guide Your Home chapter .	X	X	X
Visual Programs	Unlike other less user-friendly systems, event response – called in HCA a “program” - is constructed using a drag-and-drop interface. This lets you visualize the actions of your program without needing to learn complex syntax. More information is in the User Guide Visual Programmer chapter .	X	X	X
Advanced Visual Program Development Tools	<p>A testing / debugger tool for Visual Programs that includes breakpoints, execution path modification, and program modification available. More information is in the User Guide Program Debugger chapter.</p> <p>The Compute and Compute-Test elements augment Visual Programs by providing expressions for computations and testing. More information is in the User Guide Expressions chapter.</p> <p>Email / SMS / MMS program element. Send alerts, reports, updates to your phone, tablet or computer (home, work, etc.). Check in with the mobile apps to see more details. More information is in the User Guide Programs chapter.</p> <p>Execution of text-based scripts, such as VBScript or JavaScript to augment Visual Programs with a more traditional programming environment. More information is in the User Guide Scripts chapter.</p>			X

Email retrieval	HCA can be configured to periodically access a POP3 mail server and retrieve email from the account inbox. This can be used for a variety of functions including integrating with IFTTT .		X	X
Time-based schedules	Multiple time-based schedules are supported containing an unlimited number of schedule entries. More information is in the User Guide Schedules Chapter .	X	X	X
Visual Scheduler	The Visual scheduler provides a graphical method of viewing and modifying time-based schedules. More information is in the User Guide Visual Scheduler chapter .	X	X	X
Insteon Visual Scene Editor	The Visual Scene Editor allows creation of scenes and stores them in Insteon devices without manual action. More information is in the User Guide Visual Scene Editor chapter .		X	X
Control User Interface	This is an alternative interface designed for control of an existing design. While optimized for touch screens it also works well with any screen and a mouse. With client-server this allows for multiple stations in your home as access points for control. More information is in the User Guide Control User Interface chapter .			X
HTML Displays	Display information constructed from template and result files or used to integrate with systems that communicate using a HTML web page. More information is in the User Guide Displays chapter .			X
Tiled Displays	Construct displays using non-overlapping tiles. Tiles available that show a power meter, a graph of power track data, HTML, icons, text, or images. More information is in the User Guide Displays chapter .			X
Floorplan backgrounds	Use DXF and Picture files as room and display backgrounds. More information is in the User Guide Displays chapter .	X	X	X
Virtual Keypads	Software implemented keypads for control of devices and actions by less experienced users. More information is in the User Guide Keypads chapter .		X	X
Seasonal Home Control	Full year calendar used to change the current schedule and start programs at different times of the year and on special days you select. More information is in the User Guide Calendar chapter .		X	X
Restart	The ability to handle power outages and system restarts to restore your home to the state it should be at if restart had not happened. More information is in the User Guide Restart chapter .	X	X	X
Design Checker	The background Design Checker looks at your design and identifies potential problems. For example, a program controlling a non-dim device with a dim element or schedules that conflict. More information is in the User Guide Troubleshooter chapter .	X	X	X
Alert Manager	The Alert Manager records and logs problems that happen over time. For example, a device status poll or command not acknowledged. More information is in the User Guide Troubleshooter chapter .	x	X	X

Appendix 1: Versions and Features

Logging	Three logs are available for capturing all device communication and program actions. More information is in the User Guide Troubleshooter chapter .	X	X	X
Power Track	A method to keep track of power usage from devices over time and analyze that data graphically. More information is in the User Guide Power Track chapter .		X	X
Import / Export	The Import-Export feature lets you select parts of your design to share with others, and to add new features to your design that were created by other HCA users. More information is in the User Guide Import Export chapter .	X	X	X
Online Program library	Cloud based library of programs, classes, and icon packages that can be downloaded and added to your design. More information is in the User Guide Import Export chapter .			X