

RUCKUS IoT 2.2.0.0 GA Release Notes

Supporting IoT Controller Release 2.2.0.0

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Contents

Document History	4
Overview	4
New in This Release	4
Removed From This Release.....	5
Hardware and Software Support	5
Release Information	6
Supported Upgrade Path.....	7
Known Issues	8
Component: IoT Feature in Access Point with IoT Module I100.....	8
Component: RUCKUS IoT Controller	8
Resolved Issues	10
Best Practices	10
Caveats and Limitations	10
Caveats.....	10
Limitations.....	11
Supported Devices	12

Document History

Revision Number	Summary of changes	Publication date
A	Initial release notes.	December, 2023

Overview

This document provides release information about RUCKUS IoT Suite 2.2.0.0, a versatile system for managing IoT devices. The RUCKUS IoT Suite is a collection of network hardware, and software infrastructure components that are used to create an IoT access network which is comprised of four elements:

- RUCKUS IoT-ready Access Points (APs)— As of this release the following AP models are now IoT ready: wall-mount H510, ceiling-mount R510, R610, R710, R720, outdoor models T310, E510, T610, Indoor Access Point R730 (802.11 ax), the Indoor Access Point C110, the LTE access point M510, Indoor Wi-Fi 6 Access Point for Dense Device Environments R650, Indoor Access Point Indoor Wi-Fi 6 Access Point for Ultra-Dense Device Environments R750, Outdoor Wi-Fi 6 Access Point with 2.5Gbps Backhaul T750, High Performance Wi-Fi 6 2x2:2 Indoor Access Point R550, Wall-Mounted Wi-Fi 6 2x2:2 Indoor Access Point H550, Outdoor 2x2:2 2.4/5GHz Wi-Fi 6 access points T350D, Indoor 802.11ax Wi-Fi 6 Access Point R350, Ultra High Performance Wi-Fi 6 8x8:8 with 5.9 Gbps HE80/40 Speeds and Embedded IoT Indoor Access Point R850, Highest capacity tri-band, tri-concurrent Wi-Fi 6E access point (AP) that supports 12 spatial streams (4x4:4 in 6GHz, 4x4:4 in 5GHz, 4x4:4 in 2.4GHz) Access Point R760 and High-Performance Tri-Radio Wi-Fi 6E 2x2:2 with 4.7 Gbps max rate and Embedded IoT Indoor Access Point 560.
- RUCKUS IoT Modules—A device that attaches to a RUCKUS IoT-ready AP and supports standards such as Bluetooth Low Energy (BLE), Zigbee, LoRa and more. The first IoT Module, the I100, supports the BLE or Zigbee within the same enclosure.
- RUCKUS SmartZone Controller—Existing WLAN controller, which provides basic networking information for both the WLAN and the IoT access network.
- RUCKUS IoT Controller—A virtual controller, deployed in tandem with a RUCKUS SmartZone Controller, that performs connectivity, device, and security management functions behind the scenes for non-WiFi devices. RUCKUS IoT Controller also facilitates cross-solution endpoint communication and provides APIs for northbound integration with IoT cloud services.
- RUCKUS IoT Insights—A virtual controller, deployed in tandem with the RUCKUS IoT Controller, that performs application-level analysis, control, and logging of RUCKUS IoT events with a focus on an application-level solution.

This document provides a list of release components with their versions , the caveats, limitations, and the known issues.

New in This Release

RUCKUS IoT 2.2.0.0 GA Suite provides the following update.

- SALTO Door Lock Integration
- Zigbee Fragmentation support for Vostio Locks
- Zigbee Channel 26 support for US and AU
- Command debugger for device address
- Stability Fixes

Removed From This Release

The following feature is removed from RUCKUS IoT-2.2.0.0 GA Suite:

- Node-Red and all related functionality

Hardware and Software Support

This release is compatible with the following controller and access point hardware and software.

Compatible Hardware:

- H510/R510/T310D and i100 IoT Module
- R610/R710 and i100 IoT Module
- R720 and i100 IoT Module
- R650 Access Point
- R750/T750/T750SE Access Point
- R850 Access Point
- H550 Access Point
- R350/H350/T350D Access Point
- R550 and i100 IoT Module
- R760 Access Point
- R560 Access Point

Compatible Software:

- Virtual SmartZone – High Scale (vSZ-H)
- Virtual SmartZone – Essentials (vSZ-E)
- SmartZone 100 (SZ100)
- RUCKUS IoT Controller (RIoT)

Hardware Requirement

Customers must obtain robust and reliable server hardware that will support a virtualized environment for IoT applications with enough headroom to expand in the future. Each deployment is unique and hardware specifications will need to be adapted to specific needs. For a typical deployment (e.g. RUCKUS IoT controller, VMware ESXi, Ubuntu Linux server, IP camera VMS, additional IoT VMs or applications), we recommend server hardware that meets the below specifications.

- **CPU:** 4 core i7 or equivalent (3.1GHz or Higher)
- **Memory:** 32 GB
- **Hard Disk:** 1 TB

TABLE 1 Supported Capacity for Controller

Number of AP	Number of Devices	Type of Device
1500	1500	Assa Abloy Visionline
1500	1500	DormaKaba
500	500	Generic Zigbee
500	500	Vostio
250	250 AP	250 Beacon messages with interval of 1 or 2 seconds

Release Information

TABLE 1 Supported Capacity for Controller (continued)

Number of AP	Number of Devices	Type of Device
1500	1500 AP	BaaS

NOTE

The combination setup will support only 500 AP and 500 devices even in case of Assa Abloy and DormaKaba. Exceeding the max supported can cause controller stability and performance issues.

Release Information

This section lists the version of each component in this release.

vSCG (vSZ-H and vSZ-E), and SZ-100

- WLAN Controller version: 5.2.2.0.1562, 6.1.2.0.354
- AP firmware version in the WLAN Controller: 5.2.2.0.2064, 6.1.2.0.850
- IoT Gateway Version
5.2.2.0 – 1.9.2.2.10011
6.1.2.0 – 2.2.0.0.20009

RIoT

- RUCKUS IoT Controller version: 2.2.0.0.26
- VMWare ESXi version: 6.5 and later
- KVM Linux virtualizer version: 1:2.5+dfsg-5ubuntu10.42 and later
- Google Chrome version: 78 and later
- Mozilla Firefox version: 71 and later

3rd Party Integrations

- Assa Abloy
- Visionline Version: 1.28.0.67
- Lock Zigbee Version: 3.1.62.1
- Lock Version: 3.17.42.19

Dormakaba

- Ambiance Version: 2.9.0.98
- Lock RT+ version FW version: 02-23-22.4
- Ember Rev: 5.6 build E7

Vostio

- Vostio service tool App version: 2.6.6.0
- Lock Firmware version: 3.59.10.86
- Zigbee Firmware version: 2.7.5

SALTO

- Lock Model - Element Fusion
- Lock Firmware version -AB.10, Control-01-38, HW Rev-00

- PPD Firmware version – 02.22
- SALTO Space version – 6.8.4.0

TABLE 2 Release Build Compatibility Matrix

Release	IoT Controller	SZ	AP	Supported AP Models
IoT 1.8.2.0 [MR]	1.8.2.0.44	<ul style="list-style-type: none"> • 5.2.2.0.317 • 6.0.0.0.1331 	5.2.2.0.2016 IoT Version : 1.8.2.0.18013 6.0.0.0.1594 6.0.0.0.1610 (T350D) 6.0.0.0.3073 (R350) IoT Version : 1.8.2.0.18010 ST Version : 1.8.1.34.12	H510,R510,T310d,E510,R610,R650,R710,R720,T610,R730,R750,T750,C110,M510,R550,H550,T350D, R350, R850.
IoT 2.0.0.0	2.0.0.0.82	<ul style="list-style-type: none"> • 5.2.2.0.317 • 6.1.0.0.935 	5.2.2.0.2016 IoT Version : 1.9.2.0.10001 ST Version: 1.8.1.34.12 6.1.0.0.1595 IoT Version : 2.0.0.0.20037 ST Version: 2.0.0.34.12	H510, R510, T310d, E510, R610, R650 , R710, R720, T610, R730, R750, T750, C110, M510, R550, H550, T350D, R350, R850, T750SE, H350.
IoT 2.0.0.2	2.0.0.2.43	6.1.0.0.935	6.1.0.2.18 IoT Version : 2.0.0.2.28	R650 , R730, R750, T750, R550, H550, T350D, R350, R850, T750SE, H350
IoT 2.1.0.0	2.1.0.0.43	<ul style="list-style-type: none"> • 5.2.2.0.1562 • 6.1.1.0.959 	5.2.2.0.2064 IoT Version : 1.9.2.1.10016 6.1.1.0.1322 IoT Version : 2.1.0.0.20013	H510, R510, T310d, E510, R610, R650 , R710, R720, T610, R730, R750, T750, C110, M510, R550, H550, T350D, R350, R850, T750SE, H350, R760, R560
IoT 2.1.1.0	2.1.1.0.2	<ul style="list-style-type: none"> • 5.2.2.0.1562 • 6.1.0.0.959 	5.2.2.0.2122 IoT Version : 1.9.2.1.11000 6.1.1.0.1322 IoT Version :2.1.1.0.20015	H510, R510, T310d, E510, R610, R650 , R710, R720, T610, R730, R750, T750, C110, M510, R550, H550, T350D, R350, R850, T750SE, H350, R760, R560
IoT 2.2.0.0	2.2.0.0.26	<ul style="list-style-type: none"> • 5.2.2.0.1562 • 6.1.2.0.354 	5.2.2.0.2064 IoT Version : 1.9.2.2.10011 6.1.2.0.850 IoT Version: 2.2.0.0.20009	H510, R510, T310d, E510, R610, R650 , R710, R720, T610, R730, R750, T750, C110, M510, R550, H550, T350D, R350, R850, T750SE, H350, R760, R560

Supported Upgrade Path

2.1.1.0.2 -> 2.2.0.0.26

NOTE

To upgrade a N+1 setup, Please disable N+1 in 2.1.1.0.2 and upgrade both Primary and Secondary individually and then Enable N+1 in 2.2.0.0.26.

Known Issues

The following are the caveats, limitations and known issues.

Component: IoT Feature in Access Point with IoT Module I100

- IOTC-6713 - AP once connected to 2.1 controller will not connect to a 2.0.1.0 controller
Workaround - Rebooting the AP will make the AP connect to 2.0.1.0 controller.
- IOTC-6163 - AP's with Internal Radio throwing USB low power warning.
Workaround - None
- IOTC-3809 - Enabling channelfly co-ex fails to change channels.
Workaround - After enabling channelfly disable and enable co-ex on the radio.
- IOTC-3807 - Wlan channel conflict is not detected and channel does not change when co-ex is enabled in both radios
Workaround - None.
- IOTC-3557 - Zigbee_DK mode allows generic zigbee devices to connect by no attributes or commands are listed
Workaround - None.
- IOTC-3159 - Factory resetting the T750 AP disables the IOT
Workaround - Setting correct power level automatically enables the IoT process.
- IOTC-1832 - In Dense BLE beacon deployments (more than 800 beacons seen by single AP) the beacon packets are dropped and would experience longer latency to reach the endpoint.
Workaround - None

Component: RUCKUS IoT Controller

- IOTC-7194 - Upgrading a N+1 setup controller from 2.1.1.0.2 to 2.2.0.0.26 causes AP and devices to be lost.
Workaround - Disable N+1 in 2.1.1.0.2 and upgrade both the controllers as stand alone. After upgrade to 2.2.0.0.26 setup N+1 again and verify config sync.
- IOTC-7190 - Deleting and onboarding a Dormakaba lock between different AP might cause Last seen value to be shown incorrectly
Workaround - None
- IOTC-7178 - After Trial License expiry no error message is displayed. controller will navigate to license page and no other navigation is allowed.
Workaround - Upload a Valid license .
- IOTC-7071 - License notification not shown in the Dashboard page.
Workaround - None.
- IOTC-7155 - Sometimes Dormakaba lock is not shown in ambiance server but get onboarded to IOT controller
Workaround - Delete the lock from the controller and re-onboard the lock.
- IOTC-7032 - Upgrading controller from 2.0.1.2 to 2.2.0.0 causes Salto locks to become offline in the Salto Space
Workaround - Reset the Salto plugin from the side panel -> Deactivate the Salto plugin -> Login to the Salto Space and goto System-Salto Network -> Select the Controller and reset the controller -> Generate the secret key and enable the Salto plugin from the controller -> Initialize the VRIOT controller from the Salto Space.

- IOTC-6487 - Active SSH connections are not terminated on disabling the SSH from UI
Workaround - None
- IOTC-6379 - After failover Gateway and locks are not coming online on the Space
Workaround - None. N+1 is not supported.
- IOTC-6361 - Salto Key is missing on DB restore setup
Workaround - None: DB backup/restore is not supported
- IOTC-6169 - Salto: Radio's LQI and RSSI values are not correctly displayed.
Workaround - None
- IOTC-6243- Salto tag should be added to the AP whenever a Salto lock is added to the controller.
Workaround - None
- IOTC-6185 - Delete option of Salto locks from the controller is allowed which is not a valid use case..
Workaround - None. Do not delete the lock as it will not auto populate again on the controller
- IOTC-6314 - Vostio: Many times GW status is displayed incorrectly in Vostio Portal
Workaround - Refresh the screen on Vostio cloud portal
- IOTC-6116 - UI gets stuck in the upgrade progress screen (no close button) if controller rebooted during upgrade.
Workaround - None
- IOTC-6112 - vRIOT login page do not auto redirect to https when controller is behind NAT
Workaround - Use <https://controllerIP/refUI/#/Login>
- IOTC-5939 - In Ambiance server it takes 25 minutes for a Gateway to go from "deactivated" state to "pairing OFF" state which leads to lock not being able to get onboarded
Workaround - Send Paring ON from Ambiance server for the Gateway.
- IOTC-5448 - Success message is not shown while restoring DB Backup from standalone controller to another N+1 enabled controller with network configuration as 'NO'.
Workaround - None
- IOTC-5434 - DB restore failed after N+1 failover if password contains '\$' symbol.
Workaround - Avoid '\$' symbol in password.
- IOTC-5428 - Device name with more than 24 characters is shown with MAC address appended to the name in IOT APs page.
Workaround - None.
- IOTC-5366 - Sudden Power outage could cause controller to become inaccessible since service keeps continuously restarting.
Workaround - None (Redeploy controller)
- IOTC-3871 - Device Attribute fails to show in IoT controller.
Workaround - Query the specific cluster/attribute using API call.
- IOTC-3804 - Activating Dormakaba plugin with wrong/not reachable IP address throws Operation failed error
Workaround - None.
- IOTC-3765 -When Ambiance Server is set to European date format, date shows up nana/nana/.
Workaround - Set the date in US format in the Ambiance Server.
- IOTC-3760 - Ambiance UI shows Door is Unlatch under Metric though Door is latched

Resolved Issues

Workaround - None. Contact Dormakaba.

- IOTC-3719 - MQTT Push events sent even with no state/device change/Action

Workaround - None

- IOTC-3674 - Zone_ID of IAS devices may be displayed as 255 for some devices

Workaround - Triggering an event from the device sometimes sets the correct Zone_ID.

- IOTC-3069 - In a N+1 setup traffic going from controller to cloud will not use Virtual IP in the packet.

Workaround - Configure firewall to allow traffic to pass from primary IP and secondary IP .

- ER-11709 - When there is a dongle swap the older radio is made unavailable and the new dongle comes up as another radio hence displaying 2 radios in the UI.

Workaround - User has to delete the AP and let it rediscover again.

Resolved Issues

The following issues are resolved for this release.

TABLE 3 Resolved Issues

Key	Summary
IOTC-6869	Log rotation is not happening for Salto APP logs.
IOTC-6199	View logs option missing for Salto plugin
IOTC-6602	After Factory reset controller UI does not come up.
IOTC-6565	Blacklisting a device is throwing Error.
IOTC-5733	License count mismatch after Bulk deletion of devices.
ER-11818	Search Filters accuracy isn't correct.
ER-11816	Deleting a device may not immediately delete and may show up in UI.

Best Practices

Following is the list of best practices

- Recommended Periodic interval of 120 seconds in Controller Data Stream Plugin. Lesser values could lead to system instability.
- Time and Timezone should be properly set in RUCKUS IoT Controller.
- N+1 works on Virtual IP mode. For successful failover AP MQTT Broker should be configured for Virtual IP.

Caveats and Limitations

Caveats

- The db backup size is reduced to 132kb.
- The admin password cannot be retrieved once lost.
- The RUCKUS recommends to back up the database at regular intervals. For example, when there are changes in the network.

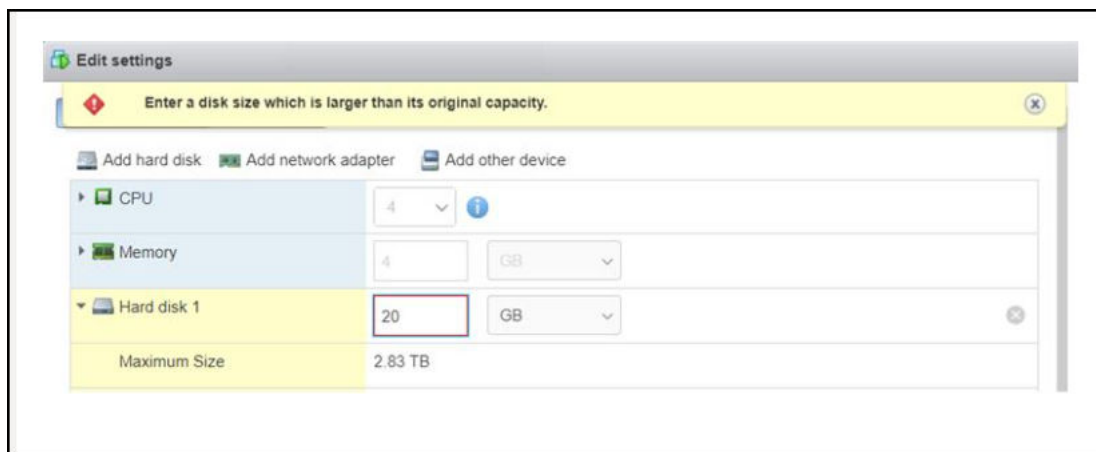
- Disk Space must re-size from 8GB to exactly 20GB (less than or greater than 20GB will cause failure) starting from 1.5 Release onwards and exactly 20GB should be allocated during deployment.

NOTE

However, reducing the HDD size is more complicated than increasing it.

You receive the following error while decreasing the HDD size on the VMware.

FIGURE 1 Error Message when HDD size is Reduced



The HDD shrinking for a VM requires expertise an editing *.vmdk. To shrink the disk size, you can refer to https://www.vmware.com/support/ws5/doc/ws_disk_shrink.html or <https://kb.vmware.com/s/article/1002019>. An alternative mechanism is to take config backup of existing vRIOT instance, install a fresh instance of vRIOT of the same version as the config backup, and allocate the recommended HDD/CPU/memory resources. After the new instance is up, you can shutdown the existing instance to avoid any conflicts. You can then upload the configuration backup to it and upgrade the vRIOT to the desired version firmware.

- The RUCKUS IOT platform is not FIPS compliance and if the AP's have FIPS certificate, it would not join the IOT controller. MQTT logs will throw an OpenSSL Error: error:14089086:SSL routines:ssl3_get_client_certificate:certificate verify failed.

- IoT APs will randomly go offline if we override the MQTT IP using AP CLI script from the vSZ.

Workaround - Do not push MQTT Broker IP to the AP's which already have established MQTT session with the IP controller

- AP Search filter does not work with the AP IP address.
- **ER-9842**- IOT 1.7.1.0.16- IOT devices would disconnect from the IOT controller if their RSSI/LQI is low.

Workaround - It is NOT recommended bulk scan to onboard IoT devices.

Limitations

- Do not use admin credentials for activating Dormakaba plugin.
- In a Salto Setup N+1 is not supported.
- In a Salto Setup DB backup/restore is not supported.
- PAN0 cannot be set to Zigbee_AA if PAN1 is already set to Zigbee_AA. To set PAN0 to Zigbee_AA set PAN1 to Deactivated.
- DB backup taken from pre-2.2.0.0 controller cannot be restored on 2.2.0.0 controller.
- UEI Thermostat on changing the cooling setpoint causes the Heat setpoint value to change. This is a Vendor Implementation Design.
- IoT controller does not retain set values of UEI Thermostat upon the AP reboot. This is handled in vendor software.

Supported Devices

- NTP drift will cause Gateways to disconnect from the controller and continuously try to connect leading to a burst of messages queueing up and controller not being able to process messages.
- MQTT connection will not be established when the vlan mode is offlink but the controller is in same subnet
- AP and Phone having the ST APP should be in the same subnet to detect and add the dongle.
- Pushing VLAN from option43 or RKSLI will cause the AP to keep disconnecting from MQTT.
- Hot plugging of dongle is not supported. Reboot of AP is required in case dongle is plugged out and plugged in.
- Concurrent ZigBee-ZigBee, ZigbeeAA-ZigbeeAA, ZigbeeDK-Zigbee-DK on dual-radio platform is not supported.
- Broker IP is set to Unconfigured if controller is not reachable for 24Hrs. Broker IP has to be reconfigured either manually through RKSLI or DHCP Option-43.
- N+1 Auto Fallback is not supported (If primary is back online, secondary will run as active secondary).
- Database backup and restore is not supported across major releases.
- Gateway supporting multi-mode causes IoT by AP protocol count to go wrong as each mode is considered as a separate AP.
- IoT co-ex feature is not supported on multi-mode Gateway.
- Uploading a new temporary license after the previous temporary license has expired is not supported.

Supported Devices

This section documents the supported IoT end devices. Multiple other devices may work with this release but they have not been validated.

TABLE 4 Bulbs

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Lightify (RGB) Model 73674	Bulb	Zigbee	Osram	OSRAM	LIGHTIFY A19 RGBW
Lightify Model 73693	Bulb	Zigbee	Osram	OSRAM	LIGHTIFY A19 Tunable White45856
Lightify Model 73824	Bulb	Zigbee	Osram	OSRAM	
Element Color Plus	Bulb	Zigbee	Sengled	sengled	E11-N1EA
Bulb - LED	Bulb	Zigbee	Sengled	sengled	Z01-A19NAE26
E11-G13	Bulb	Zigbee	Sengled	sengled	E11-G13
Lux	Bulb	Zigbee	Philips	Philips	LWB004
SLV E27 Lamp Valetto (Zigbee 3.0)	Bulb	Zigbee 3.0	SLV		
Bulb	Bulb	Zigbee	Aduro SMART ERIA		
Bulb	Bulb	Zigbee	Cree		BA19-08027OMF-12CE26-1C100
Hue	Bulb	Zigbee	Philips	Hue White	840 Lumens

TABLE 5 Locks

Device	Type	Model	Manufacturer	Basic Name	Basic Model
Vingcard Signature	Lock	Zigbee	Assa-Abloy	AA_LOCK	
Vingcard Essence	Lock	Zigbee	Assa-Abloy	AA_LOCK	
RT+	Lock	Zigbee	Dormakaba	Dormakaba	79PS01011ER-626
Yale YRD220/240 TSDB Display	Lock	Zigbee	Assa-Abloy	Yale	Yale YRD220/240 TSDB
Yale YRD210 Push Button	Lock	Zigbee	Assa-Abloy	Yale	YRD210 Push

TABLE 5 Locks (continued)

Device	Type	Model	Manufacturer	Basic Name	Basic Model
Smartcode 916	Lock	Zigbee	Kwikset	Kwikset	SMARTCODE_DEADBOLT_10T
Smartcode 910 (450201)	Lock	Zigbee	Kwikset	Kwikset	
Salto Element Fusion	Lock	BLE	Salto	Salto Lock	

TABLE 6 SWITCHES/PLUGS/THERMOSTAT/ALARM/BLINDS

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
GE Smart Dimmer	Switch	Zigbee	GE	Jasco Products	45857
GE Smart Dimmer	Switch	Zigbee	GE	Jasco Products	45856
Smart Plug	Plug	Zigbee	Centralite	Centralite	
Smart Plug	Plug	Zigbee	Smart things	Samjin	
Smart Plug	Plug	Zigbee	INNR		
Zen Thermostat	Thermostat	Zigbee	Zen Within	Zen Within	Zen-01
EcoInsight Plus	Thermostat	Zigbee	Telkonet	Telkonet	
ZBALRM	Alarm	Zigbee	Smartenit		Model #1021 A
Smart Blinds	Blinds	Zigbee	Axis Gear		
UEI Thermostat	Thermostat	Zigbee	UEI		TBH300ZBSN

TABLE 7 Sensors

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Garage Door Tilt Sensor	Sensor	Zigbee	NYCE	NYCE	NCZ-3014-HA
Curtain Motion Sensor	Sensor	Zigbee	NYCE	NYCE	NCZ-3045-HA
Door / Window Sensor	Sensor	Zigbee	NYCE	NYCE	NCZ-3011-HA
Temperature and Humidity Sensor	Sensor	Zigbee	Aqara	LUMI	WSDCGQ11LM
Motion Sensor	Sensor	Zigbee	Aqara	LUMI	RTCGQ11LM
ERIA Smart Door/ Window Sensor	Sensor	Zigbee	AduroSMART ERIA	ADUROLIGHT	81822
ERIA Smart Motion Sensor	Sensor	Zigbee	AduroSMART ERIA	ADUROLIGHT	81823
Multipurpose Sensor	Sensor	Zigbee	Smart things	Samjin	IM6001-MPP01
Button	Sensor	Zigbee	Smart things	Samjin	IM6001-WLP01
Motion Sensor	Sensor	Zigbee	Smart things	Samjin	IM6001-MTP01
Water Leak Sensor	Sensor	Zigbee	Smart things	Samjin	IM6001-BTP01
EcoSense Plus	Sensor	Zigbee	Telkonet	Telkonet	SS6205-W
EcoContact Plus	Sensor	Zigbee	Telkonet		SS6255-W
Temp, Humidity Sensor	Sensor	Zigbee	Heiman	HEIMAN	HS1HT-N
Gas detector	Sensor	Zigbee	Heiman	HEIMAN	HS3CG
Contact Sensor/Door Sensor	Sensor	Zigbee	Centralite	Centralite	3300-G
3-Series Motion Sensor	Sensor	Zigbee	Centralite	Centralite	3305-G
Temperature Sensor	Sensor	Zigbee	Centralite	Centralite	3310-G

Supported Devices

TABLE 7 Sensors (continued)

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
3-Series Micro Door Sensor	Sensor	Zigbee	Centralite	Centralite	3323-G
Door Sensor	Sensor	Zigbee	Ecolink	Ecolink	4655BC0-R
Temp & Humidity Sensor	Sensor	Zigbee	Sonoff	Sonoff	SNZB-02
Ceiling Motion Sensor	Sensor	Zigbee	NYCE	NYCE	NCZ-3043-HA
Ecolink Flood Detection Sensor	Sensor	Zigbee	Ecolink	Ecolink	FLZB1-ECO

TABLE 8 BLE

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Panic Button	Beacon	BLE	TraknProtect		
Tray Beacon	Beacon	BLE	TraknProtect		
Asset Beacon	Beacon	BLE	TraknProtect		
Card Beacon	Beacon	BLE	TraknProtect		
Card Tag	Beacon	BLE	Kontakt.io		CT18-3
Beacon Pro	Beacon	BLE	Kontakt.io		BP16-3
Asset Tag	Beacon	BLE	Kontakt.io		S18-3

TABLE 9 Wired

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Vape/Sound Sensor	Sensor	Wired	Soter	-	FlySense

TABLE 10 Device not QA tested but supported

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Vingcard	Sigma	Lock	Zigbee	Assa-Abloy	AA_LOCK
Vingcard	Alpha	Lock	Zigbee	Assa-Abloy	AA_LOCK
Vingcard	Classic		Zigbee	Assa-Abloy	AA_LOCK
Vingcard	Allure		Zigbee	Assa-Abloy	AA_LOCK



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