



ASSET LIFECYCLE ASSESSMENT REPORT

Honeywell

Site: Honeywell Raleigh

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SAMPLE DOCUMENT

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01 | Asset Status Summary

48/52 assets have lifecycle status information.

The site has 4 unsupported/obsolete assets that need to be planned for replacement and pose a risk to your building with potential for increased downtime.

Please refer Product life cycle stage definitions in Appendix.

Hardware

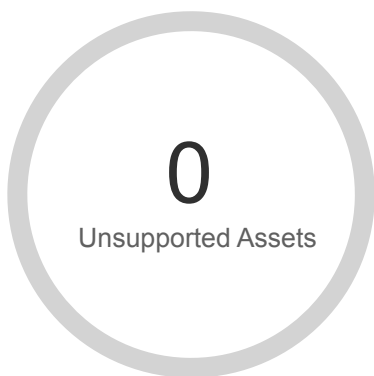
48 Total Assets



- Current 40 (83%)
- Legacy 4 (8%)
- Phased Out 0 (0%)
- Obsolete 4 (8%)

Software

0 Total Assets



- Current 0 (0%)
- Supported 0 (0%)
- Deprecated 0 (0%)
- Unsupported 0 (0%)

02 | Site Asset Status

LIST OF ASSETS

Model	No. of Assets	Make	Risk	Life Cycle Status	Domain	Sub Domain
CP-7051	3	Niagara	HIGH	Obsolete	Hardware	Controllers
IQ3	1	Trend	HIGH	Obsolete	Hardware	Controllers
CP-9000	6	Niagara	MINIMAL	Current	Hardware	Controllers
IQ4E	4	Trend	MINIMAL	Current	Hardware	Controllers
VLC-1188E	9	Alerton	MINIMAL	Current	Hardware	Controllers
CP-8000	10	Niagara	MINIMAL	Current	Hardware	Controllers
ACM-GC	11	Alerton	MINIMAL	Current	Hardware	Controllers
VLCA-1688	4	Alerton	LOW	Legacy	Hardware	Controllers
n4CaasGateway	2	Tridium				

03 | Asset Details & Recommendations

SITE ASSETS RECOMMENDED FOR UPGRADE/REPLACEMENT

Hardware

Model	CP-7051
Description	Released in 2006, ComfortPoint- KMC BACnet Advanced Application (B-AAC), fully programmable DDC, VAV Controller models programmed using the ComfortPoint Programming Tool.
Risk Level	HIGH
No. of Assets	3
Firmware Version	5.1
Software Version	5.2
Recommended Action	Plan for immediate migration of the controllers to ComfortPoint Open - Niagara platform controller solution
Recommended Product	
Features	• BACnet MS/TP, IP, and T1L models with or without Bluetooth in a small format with 8 UIO and 8 relays, and large format with 16 UIO and 8 relays. Modbus Serial support for expanded IO applications
Benefits	• Open BACnet BMS Control Solution with control to the Edge with BACnet IP and T1L for simplified XL10/ XL12 migration re-using the existing LonWorks wiring. Flexible application support with Niagara and CPO Library Applications available to be programmed using Niagara Workbench, or the CPO-Studio Tool Suite. Controller checkout is supported with the new Connect Mobile, Checkout App.
Model	IQ3
Description	Released in 2003. These Trend legacy BMS controllers are no longer supported. No spares and firmware updates are available for these controllers.
Risk Level	HIGH
No. of Assets	1
Firmware Version	4.2
Software Version	4.2
Recommended Action	Commence migration planning of the controllers to the latest IQ5 series Controllers and related modules.
Recommended Product	
Features	• Designed to meet ISA/IEC 62443 • T1L high-speed secure bus for IQ5 I/O modules • Compatible I/O bus for IQ4 and XCITE (IQ3) I/O modules • Isolated Gigabit Ethernet Port (future use) • 3 Switched Gigabit Ethernet Ports • 3 onboard RS-485 ports supporting Modbus, M-Bus and MSTP • Automatic time synchronisation and daylight saving via SNTP • Embedded XML Web Services as standard • Surface or DIN rail mounting, DIN 19 size 2 standard enclosure • USB local Supervisor /Engineering port • 24 Vac/dc input power supply.

Benefits

- **SECURITY** :IQ5 is designed to meet ISA/IEC 62443-4-2, and has been developed using processes that are fully certified to ISA/IEC 62443-4-1. This ensures a risk-based approach to prevent and manage any potential threat.
- **COMPLIANCE** IQ5 is compliant with the very latest specifications i.e. BACNet B-BC and meets modern IT standards. This means IQ5 will integrate seamlessly with other building systems such as lighting and operate securely within your IT infrastructure.
- **PROTECTING YOUR INVESTMENT** IQ5 will ensure you have the flexibility to adapt and extend a site throughout a building's life. Whether your built environment uses Trend IQ™1's, IQ™2's, IQ™3's or IQ™4's, the latest enhancement of IQ5 will provide seamless control by communicating with earlier controllers.

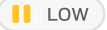
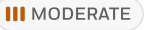
03 | Asset Details & Recommendations

SITE ASSETS TO BE MAINTAINED FOR OPTIMAL PERFORMANCE

Hardware

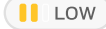
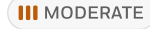
Model	VLCA-1688
Description	Alerton® BACtalk® VLCA-1688 is a BACnet advanced application controller (B-AAC)
Risk Level	LOW
No. of Assets	4
Recommended Action	Commence migration planning of the controllers to the latest Alerton VIP series Controllers and modules

04 | Product Lifecycle Stages & Risk level Definitions - Software

Risk Level	 MINIMAL	 LOW	 MODERATE	 HIGH
Life Cycle Status	Current (N)	Supported (N-1)	Deprecated (N-2)	Unsupported
	Level of Updates/Support Reduces 			
	 No restriction on Sales  Full Technical Support  Updates, Fixes	 Restricted New Project Sales  Expansion Orders  Technical Support  Updates, Fixes	 No New Project Sales  Expansion Orders  Technical Support  Limited Update Fixes	 No New Project Sales  No Expansion Orders  No/Very Limited Technical Support  No Updates or Fixes
Description	The latest release version of the software and default version for all new systems and system upgrades. Full technical support, software updates, service packs, and qualified Microsoft security hotfixes are available for this software version. Recommendation: Maintain the system with timely application of Honeywell software updates, service packs, and qualified Microsoft software updates and security hotfixes.	This software release is typically one release behind the current release version. New sales and upgrades to this version are restricted, but existing system expansion is available. Full technical support, software updates, service packs, and qualified Microsoft hotfixes are available for this software version. Recommendation: Maintain the system with timely application of software updates, service packs, and qualified Microsoft security hotfixes. Consider upgrading to the latest version of software to benefit from new features and functionalities offered by the latest software version.	This software release version is typically two releases behind the current release version of the software and would become unsupported with the next version release. No new system sales or upgrades to this version are available. Existing system expansion is available. Technical support, limited software updates, and qualified Microsoft hotfixes are available for this software version Recommendation: Connect with the Honeywell team to work on the system upgrade plan to ensure it is upgraded before the software version becomes unsupported. Maintain the system with timely application of software updates, service packs, and qualified Microsoft security hotfixes.	These software release versions have reached end of support and are unsupported. No new software updates are released for these versions. These software releases are likely running on Microsoft operating systems that have also reached end of support and Microsoft will not release any new software and security updates, hot fixes, and provide technical support for these operating systems, making the system vulnerable to defects and cybersecurity threats. This also limits Honeywell's ability to support the systems. Recommendation: Upgrade these systems immediately. Honeywell offers upgrade paths for these systems and your Honeywell Service team can help in upgrading the system with minimal downtime

- While Honeywell strives to maximize the product's lifecycle, constraints such as component obsolescence, availability and underlying software obsolescence may impact the lifecycle and duration and lifecycle support stage.
- Software version support is contingent on the support status of the underlying Microsoft operating system on which the software runs.
- This report may include information on non-Honeywell (third-party) products not owned by Honeywell. In addition, this report uses definitions for risk level and lifecycle stages to provide information on potential system hardware/equipment risks. For third-party products this assessment is based on publicly available information regarding lifecycle and support status. Users are advised to conduct their own due diligence on information contained in the report, and Honeywell makes no representation or warranty regarding the contents of this assessment.

05 | Product Lifecycle Stages & Risk level Definitions - Hardware

Risk Level	 MINIMAL	 LOW	 MODERATE	 HIGH
Life Cycle Status	Current	Legacy	Phased-Out	Obsolete
	New/Alternate Product Options Available			
				
	 No restriction on Sales	 No New Project Sales	 No New Project Sales	 No New Project Sales
	 Full Technical Support	 Only Smaller Expansion	 No Expansion Orders	 No Expansion Orders
	 Updates, Fixes	 Full Technical Support	 Only Replacement Spares	 Only Replacement Spares
		 Updates, Fixes	 Limited Technical Support	 No/Very Limited Technical Support
			 Only Critical Fixes	 No Updates or Fixes
Description	These are current products and are fully supported.	These products are reaching the end of sale. Products are only available support existing customer's needs for limited system expansions and maintenance spares and not for new system sales.Full technical support is available for these products. Products remain in the legacy stage typically for 2 years (reviewed annually).	These products are reaching the end of sale. Technical support and maintenance spares are available for these products but will become limited as the products approach obsolescence. Products are in the phased-out stage typically for 3 years (reviewed annually) before becoming Obsolete.	These products have reached end of support and are obsolete. Honeywell is constrained on our ability to support these products due to lack of spare parts and applicable updates. Honeywell will make commercially reasonable and technically feasible efforts to support the products to enable upgrades of the systems.
	Recommendation: Keep the product updated with the latest firmware and software updates as applicable.	Recommendation: Keep the products updated with firmware or software updates. Connect with the Honeywell team to work on a log-term technical roadmap and upgrade plans of the current system.	Recommendation: Connect with the Honeywell team to work on the upgrade plan of these assets to ensure these products are upgraded before they reach obsolescence and increase risk to your operations.	Recommendation: Upgrade assets immediately. The Honeywell team can help in upgrading the assets with the best possible options for minimal downtime.

- The risk levels defined above are generic in nature, the level of risk may vary based on the nature and criticality of the site operations.
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06 | Disclaimer

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