CopperCube 1.32 (KDP) - Release Notes

Contents

Welcome

This document communicates important technical information associated with the CopperCube Build 1.32.1842 Release

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Important

Upgrading From Previous Versions

Back Up Before Upgrading

As with performing any update, it is always recommended to make a backup of the device before upgrading. For more information about backing up the CopperCube, refer to the "Backup and Restore" section in the CopperCube Application Guide.

Upgrading Version 1.21 Devices

Version 1.21 CopperCube devices can be upgraded using a USB drive, or from the CopperCube Graphic User Interface when connected to the Internet. See KbA2173 to find out how to do a USB upgrade and KbA2175 to find out how to upgrade over the Internet.

Note: Certain version 1.21 devices may experience issues during a manual USB upgrade. As a result these devices may only be upgraded over the Internet. Please refer to KbA2319 for more information.

Overview:

The CopperCube is an advanced data archiver that connects to a Building Automation System (BAS) through BACnet/IP or BACnet Ethernet protocols. It is used to collect, store, and push trend log data to a number of onsite and remote storage locations.

Date of Release

Release Date:

Beta (1.32.1842): **January 12th, 2018**

Release (1.32.1842): **February 9th, 2018**

System Requirements

Client Web Interface

Supported Web Browsers:

- Chrome (Version 34 or higher) preferred
- Firefox (Version 25 or higher) preferred
- Internet Explorer (Version 10 or higher)

Screen Resolution
- CopperCube is designed to be viewed at a minimum screen resolution of 1280 x 1024

Non-Supported Web Browsers:

Note: These are browsers that may work but have not been tested with the CopperCube Product

- Safari
- Edge

Relevant Documents:

- CopperCube Quick Start Guide
- CopperCube Application Guide
- Archived Release Notes

What's new in 1.32.1842

CopperCube 1.32 adds a new license option, Kaizen Data Pump, and further reduces network traffic by additions to the BACnet Filtering functionality introduced in 1.31.

Kaizen Data Pump

CopperCube 1.32 introduces the new model name Cube-KDP. This license is specifically for sending data to CopperTree's Kaizen cloud service, when no archiving or enteliWEB integration is required.

The following table highlights the differences between the existing models and the new Cube-KDP option:

Model	Cube-S	Cube-M	Cube-L	Cube-XL	Cube-KDP
Trend Log Capacity	250	1,000	2,500	5,000	10,000
Storage Capacity	5 years*	5 years*	5 years*	5 years*	2 months**
Kaizen Integration	✔	✔	✔	✔	✔
enteliWEB Integration	✔	✔	✔	✔	✘
SQL Connector (requires license)	✔	✔	✔	✔	✘
Historian Import	✔	✔	✔	✔	✘

* 5 years of storage is based on 15 minute polling sample intervals - a higher frequency will result in less storage

** 2 months of storage provides a data buffer for Kaizen uploads, to handle internet outages or other network problems. If the outage is longer than 3-4 days, data must be sent using the Historical Send feature of CopperCube.

BACnet Filtering Improvements

CopperCube 1.32 makes futher improvements to the BACnet Filtering introduced in CopperCube 1.31. This version restricts basic device

discovery, using Who Is requests, to devices inside of its Inclusion Range. This results in lower global broadcasts across the BACnet network, as the CopperCube will not communicate at all with any devices outside of the Inclusion Range.

Additional Improvements:

This release also brings a number of other additional improvements, which include these bug fixes:

- AR-4117 - GUI Sites and Device Ranges Status reports red/failed when connected
- AR-3889 - Historian import will not get past "finding matching TLs" under some circumstances

Additional Notes:

Site Name Character set as of Version 1.21:

With the previous release of 1.21 build, the CopperCube has allowed the user to use UTF-8 Character sets. There are however, a number of restrictions on this. They are as follows:

- The first restriction is that all site names must start with one of the following characters: "A-Z", "_", or "a-z".
- After the first character any UTF-8 Character can be used except the Space Character " ".

Known Issues

- AR-3692 – Trend Log Discovery Automatically detects Historian Trend Log
- AR-3327 – On the Trend Log Management Page, The User Interface refresh button only refreshes the data table, not the page
- QS-6422 - BACnet Server performs rapid network discovery for all devices in the Inclusion Range
  - Until this issue is resolved, users should set the Inclusion Range only to include the devices they are trending
- AR-2914 - Historian imports will import the same data samples again if the feature is re-enabled - to prevent this issue, do not interrupt the Historian import process by disabling and re-enabling it while an import is running

enteliWEB Compatibility

The following table lists all versions of enteliWEB and CopperCube. Supported combinations show a

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and unsupported show a

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Unsupported combinations may function, but Delta does not provide support should problems occur.

enteliWEB Versions	CopperCube Versions							
	1.06	1.11	1.20	1.21	1.23	1.30	1.31	1.32
2.1	✅	✅	✅	✅	❌	❌	❌	❌
2.2	✅	✅	✅	✅	✅	❌	❌	❌
4.0	✅	✅	✅	✅	✅	✅	❌	❌
4.1	✅	✅	✅	✅	✅	✅	✅	❌
4.2	✅	✅	✅	✅	✅	✅	✅	✅
4.3	✅	✅	✅	✅	✅	✅	✅	✅
4.4	✅	✅	✅	✅	✅	✅	✅	✅
4.5	❌	✅	✅	✅	✅	✅	✅	✅
4.6	❌	❌	✅	✅	✅	✅	✅	✅
4.7	❌	❌	❌	✅	✅	✅	✅	✅
4.8	❌	❌	❌	✅	✅	✅	✅	✅