

CopperCube 1.31 - Release Notes

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Welcome

This document communicates important technical information associated with the CopperCube Build 1.31.1827 Release

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 (1.31.1827): **October 27th, 2017**

Final Release (1.31.1827): **November 24th, 2017**

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 1.31.1827

CopperCube 1.31 implements new capabilities to enhance performance on large BACnet networks and allows more complex network configurations for specific IT requirements.

BACnet Filtering

CopperCube 1.31 applies a filter to its internal BACnet Server based on the CopperCube Device Inclusion Range. As a result, the CopperCube will not request data from any BACnet devices outside of this range during normal operation, helping to reduce traffic on the network. Note that basic device discovery, using Who Is requests, will still occur.

Port Forwarding Support

Improvements have been made to the CopperCube to fully support external port forwarding. Users are now able to use ports other than 80 and 443 to access CopperCube from outside the private network.

Multiple Gateway Support

Users are able to connect to remote BBMDs on both NET1 and NET2 ports of the CopperCube. This is an improvement over previous versions, where NET2 only supported local subnet connections.

Note that the SQL connector, when used on NET2, still only supports SQL servers on the same local subnet. NET1 still must be used to send data to Kaizen's intake server, and to perform software updates. This is the same functionality as in previous versions.

Additional Improvements:

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

- AR-3753 – CopperCube unexpectedly goes offline and requires hardware reset
- AR-3676 – When cube is in error, Internal Database fills up with error messages
- AR-3596 - Watchdog reset during "Trendlog Discovery" if you add a site during discovery

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