

# Hyper Historian Express – Differences Between Express and Standard



Application Note

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**Description:** Introduction to Hyper Historian Express, and a guide its differences from Hyper Historian standalone.

**General Requirement:** General understanding of logging data and databases.

## Introduction

Hyper Historian Express is the data historian included in the ICONICS GENESIS64 and MobileHMI installations. This allows the leveraging of the Hyper Historian engine for high performance data logging whilst offering an easy upgrade path to full Hyper Historian. The ICONICS AnalytiX installation provides an install of the full version of Hyper Historian.

For more information on how to configure and use Hyper Historian Express, please see the *Hyper Historian – Quick Start* application note.

## Differences between Hyper Historian Express and Hyper Historian

Hyper Historian Express utilizes the Hyper Historian engine for data logging, however there are some restrictions on the additional functionality provided by full Hyper Historian. The following are unsupported options which will not be shown or will be disabled in the Hyper Historian configurator in Workbench.

Hyper Historian Express does not support:

- Redundancy
- Hyper-to-Hyper support
- Performance calculations
- Pre-defined Aggregates (set on Aggregates tab of tag)
- Swinging door filtering on incoming data
- Standalone installation and licensing
- Remote collectors
- Azure Cloud installation/collector
- More than two configured loggers

## Licensing Differences between Hyper Historian Express and Hyper Historian

Hyper Historian Express utilizes a different license model to Hyper Historian, wherein any tags logged are counted as GENESIS64 tags, and not Hyper Historian tags. Hyper Historian Express has a limit on the number of tags that it will allow to be logged, regardless of the size of the purchased GENESIS64 tag count. By default, this limit is 5000 tags for Hyper Historian

Express. An additional option can be purchased to expand this tag limit to allow Hyper Historian Express to use more than 5000 GENESIS64 tags. The full Hyper Historian installation is limited only on the purchased license size.

The Hyper Historian provider will need to be configured to utilize the correct license mode for the license installed on the machine.

For example, if a machine is configured to use the "Standard License" mode but is only licensed for Hyper Historian Express, it will run in demo mode, since it is unable to secure a standard Hyper Historian license.

When installing your system, it is recommended to configure the license model option before doing any further Hyper Historian configuration. This setting can be found in **Workbench** under **Historical Data > Hyper Historian > System Administration > System Settings**. It is on the **Options** tab.

## Upgrading to Hyper Historian from Hyper Historian Express

To upgrade from Hyper Historian Express to Hyper Historian Standard or Enterprise, take the following steps:

1. Update the license to include Hyper Historian Standard or Enterprise.
2. Run the ICONICS Suite installation again and select a "Modify" install. Check the Hyper Historian option to install the full version of Hyper Historian. Do not uncheck any modules on this page – that will uninstall them.
  - a. Another option is to run the Hyper Historian installation from the Hyper Historian DVD.
3. Once that installation is complete, the same configuration database that was used by the Hyper Historian Express will continue to function.