

## Exaquantum – Number Of Trend Pens

KB-0011-22

Document Summary	
<b>Article Type</b>	User Guide
<b>Products Affected</b>	Exaquantum PIMS
<b>Versions Affected</b>	R2.01 and above (Trending Control) R2.80 and above (ExaquantumWeb Trend)
<b>Function Affected</b>	Trending Control / ExaquantumWeb Trend
<b>Available Resolution</b>	Changes to Configuration
<b>Audience</b>	System Integrators, Administrators and Users
<b>Summary</b>	Increasing the number of available Trend Pens
<b>Review Date</b>	Document to be reviewed before end Feb 2023

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# Table of Contents

Table of Contents .....	1
<b>Chapter 1 Introduction .....</b>	<b>2</b>
1.1 Audience .....	2
<b>Chapter 2 Adding More Than 8 Tags/Pens .....</b>	<b>3</b>
2.1 Adding Additional Tags/Pens within Exaquantum/Explorer.....	3
2.1.1 Exaquantum Explorer – TrendComparison Properties – Trend Data Setting .....	3
2.2 Adding Additional Tags/Pens within ExaquantumWeb Trends .....	5
<b>Chapter 3 Further Reading.....</b>	<b>6</b>
Copyright and Trademark Notices .....	7
Highlights .....	8

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# Chapter 1 Introduction

The default number of Tags/Pens that can be displayed on a Trend is set at 8 for performance reasons.

Although it is possible to add more Tags/Pens to a trend within Exaquantum/Explorer and/or ExaquantumWeb Trends, the performance may be affected and should be monitored.

It may be the case that the number of Tags/Pens need to be set to a value that is acceptable to the end user, which results in the required performance.

This document details the steps that are required to show more than 8 Tags/Pens.

## 1.1 Audience

This guide is intended for system integrators, administrators and users.

# Chapter 2 Adding More Than 8 Tags/Pens

If more than the 8 Default Tags/Pens are required to be added to a Exaquantum Explorer Trend or Exaquantum Web Trend, then the following the methods described in this Chapter will allow this to be implemented.

## 2.1 Adding Additional Tags/Pens within Exaquantum/Explorer

When using Exaquantum Explorer Trends with default installation settings it is only possible to add a maximum of 8 Tags/Pens. This can be increased by following the procedure below.

### 2.1.1 Exaquantum Explorer – TrendComparison Properties – Trend Data Setting

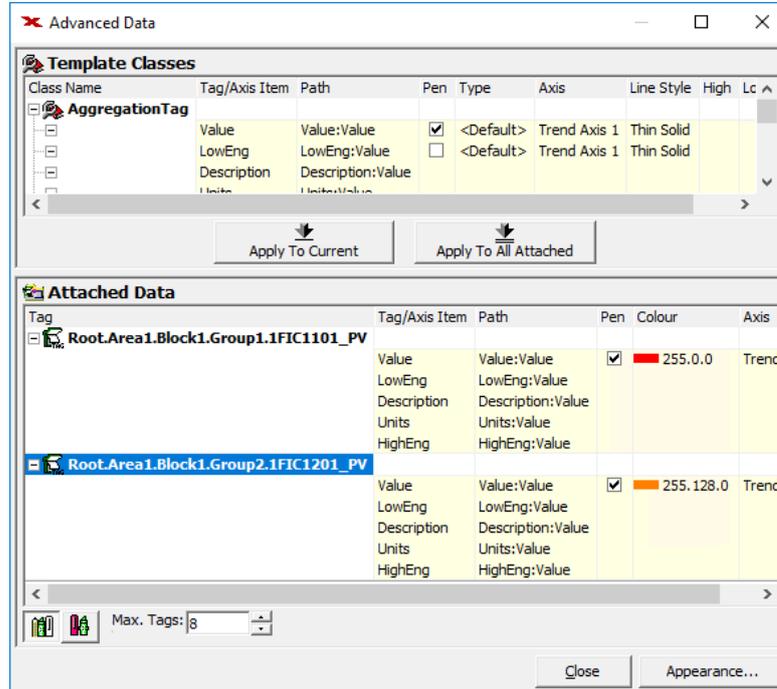
The Trending Control Properties window is opened by right-clicking on the Trending Control and selecting Properties from the pop-up menu.

#### Attached Data Section



Click the **Advanced** button to display the Advanced Data window.

#### Advanced Data Window



**Max Tags**

This field displays the maximum number of Tags/Pens that can be contained in the Trending control.

Use the up/down arrows shown on the Trend Comparison Properties/Trend Data Setting Tab/Advanced Data screen to change the number of Max Tags.



**Note:** The default values are recommended for optimum performance.

When using Exaquantum Explorer it is possible to add more than 8 Tags/Pens, but the performance and readability may be affected.

If there is a requirement to have more than 8 Tags/Pens, it is suggested that the trends be monitored for no ill effects and to check the Event Log for any related messages.

## 2.2 Adding Additional Tags/Pens within ExaquantumWeb Trends

When using Exaquantum Web Trends with its default installation settings it is only possible to add a maximum of 8 Tags/Pens, although this can be increased by referring to the information below.

**Referencing the Following Parameters Within The Exaquantum Config file detailed below.**

No	Parameter	Type/Section	Default	Description
5	TrendMaximumTagSelection	applicationSettings	8	The maximum number of Tags that can be added to a Trend
42	XYPlotMaximumTagSelection	applicationSettings	8	The maximum number of Tags that can be added to an XY-Plot

**Changing the relevant parameter will increase the maximum number of Tags/Pens shown.**

The **web.config** file can be modified using **Notepad** to increase the number of Tags/Pens.

The Exaquantum website's configuration file is located at the following location:  
 "<WebSiteInstallDirectory>\ExaquantumWeb\web.config"

In the example shown below the number of Tags/Pens has been modified from 8 to 10

```
<setting name="TrendMaximumTagSelection" serializeAs="String">
<value>10</value>
</setting>
```

When any changes are made to the **web.config** file, then Microsoft IIS will need to be **Reset**

Use the command **iisreset** from a command prompt when run as an administrator.

**Note:** The default values are recommended for optimum performance.

When using Exaquantum Explorer it is possible to add more than 8 Tags/Pens, but the performance and combined visibility of the trends on screen may be affected.

If there is a requirement to have more than 8 Tags/Pens, it is suggested that the trend performance be monitored and also check the Event Log for any related messages.

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## Chapter 3 Further Reading

Additional information can be found by referring to the following Documents/Notes.

**Exaquantum Explorer User's Manual – Volume 2 – Custom Controls (IM 36J04A12-02E)**

Chapter 2 Trends – Section 2.3 Trend Control Properties – Page 25 Advanced Data Window

**Technical Note - ExaquantumWeb Configuration Settings (TN GMSCS0114-01E)**

Section 2 - How to change the website configuration – Page 4

Section 4 - Parameter Detail Number 5 – Page 6

If you have any queries about this guide then please contact [support@ymx.yokogawa.com](mailto:support@ymx.yokogawa.com)

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## Highlights

The Highlights section gives details of the changes made since the previous issue of this document.

- **Summary of Changes**

This is Issue 1.0 of the document related to Product Library version 8.0.

- **Detail of Changes**

The changes are as follows:

Chapter/Section/Page	Change