

EtherNet/IP Web Server Module

Catalog Number 1768-EWEB

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About This Publication

This publication describes required system components, enhancements, and anomalies (corrected and known) for the 1768-EWEB module.

Required System Components

To use the 1768-EWEB module, you need the following versions of RSLogix 5000 and RSLinx Classic.

| Software | Compatible Version |
|----------------|---------------------------------------|
| RSLogix 5000 | Version 16.00 or later ⁽¹⁾ |
| RSLinx Classic | Version 2.51 or later |

⁽¹⁾ The module can be used with previous revisions of RSLogix 5000. However, in those cases, you cannot use RSLogix 5000 to configure the module. You can use RSLinx 2.51 to configure the module, but it will not appear in your RSLogix 5000 project.

Enhancements

Enhancements for this product are listed by their firmware revision, beginning with the most recent.

Revision 1.002

- Additional functionality has been added to the Socket Interface feature. The added functions include broadcast sending, multicast reception, linger control, and multicast TTL.
Lgx00075961
- The 1768-EWEB can now be placed into slot 3 or slot 4 of the CompactLogix 1768 Bus. This enhancement is for use with the 1769-L45 controller.
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Corrected Anomalies

Anomalies corrected for this product are listed by their firmware revision, beginning with the most recent.

Revision 1.002

- With revision 1.002, the 1768-EWEB module uses (United States) Daylight Saving Time as specified in the Energy Policy Act of 2005. Beginning in 2007, daylight time starts on the second Sunday in March at 2:00 a.m. and ends on the first Sunday in November at 2:00 a.m.

For more information about Daylight Saving Time as specified in the Energy Policy Act of 2005, see the following resources.

- Public Law 109-58 of the Energy Policy Act of 2005, available at http://www.epa.gov/swerust1/fedlaws/publ_109-058.pdf
- US Naval Observatory webpage at http://aa.usno.navy.mil/faq/docs/daylight_time.html

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Known Issues

This section lists known issues that have been identified regarding the use of this module.

Use of the 1768-EWEB Module to Set Controller Time

You may use the 1768-EWEB module to set the time of the controller; however, the following programming considerations apply.

If you are using the 1768-EWEB module to set the time of a controller at RSLogix 5000 version 16:

- You must specify the time zone on both the controller (using the controller's Properties dialog) and the 1768-EWEB module (using the Local Time Offset field provided in the Time Settings tab).
- If using the 1768-EWEB module to manage DST, you must also manage DST on the controller by using either the checkbox in the controller's Properties dialog, or in the controller's program by using SSV instructions.

If these considerations are not made, the controller's local time may appear to be correct. However, any controller operation using the UTC time value will be incorrectly calculated by the controller (for example, time stamps for Alarm Instructions may be incorrect).

Using a RSLogix 5000 Controller Clock to Set the 1768-EWEB Module Time

In the Time Settings tab of the 1768-EWEB web page, one of the methods to set the time is to Query Controller Clock. Due to enhancements made to Logix controllers in order to achieve compatibility with IEEE 1588, use of the Query Controller Clock option to get time from the controller results in the 1768-EWEB module clock being set two years ahead.

If you are using a controller at version 16, use only the SNTP Time Server or Manual Time Entry option provided in the Time Settings tab to avoid this issue.

Additional Resources

| Resource | Description |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| CompactLogix EtherNet/IP Web Server Module Installation Instructions, publication 1768-IN007 | Information about how to install your module. |
| EtherNet/IP Web Server Module User Manual, publication ENET-UM527 | Information about how to use your module after installation. |
| Public Law 109-58 of the Energy Policy Act of 2005, available at http://www.epa.gov/swrust1/fedlaws/publ_109-058.pdf | This is publication contains the law specific to the revised Daylight Saving Time implemented in 2007. |
| US Naval Observatory webpage at http://aa.usno.navy.mil/faq/docs/daylight_time.html | This website contains an explanation of Daylight Saving Time and dates for future years' time changes. |

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