



Allen-Bradley

EtherNet/IP Web Server Module

1756-EWEB, 1768-EWEB

User Manual

**Rockwell
Automation**

Getting Started

Introduction

This chapter describes procedures for getting started with your EtherNet/IP Web Server module. It includes information about the module and quick start procedures.

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About the Enhanced Web Server Module

Both the 1756-EWEB and 1768-EWEB modules, known as Enhanced Web Server modules, provide access to information from the control system using a web browser.

Using an EWEB module, you can monitor and modify control system data remotely using XML web pages.

Enhanced Web Server Module Applications

The following features and applications are available with your Enhanced Web Server Module.

- Remote access to controller data using a standard web browser

Use a standard web browser to monitor live controller data in two ways: use data views that you create in the web server module, or custom-develop your own web pages.

For example, create a custom web page for managers to monitor production processes directly from their desks. Use data views or custom web pages for OEMs to remotely monitor controller data and reduce support costs.

- Deliver data initiated by the control system

System data and information can be sent via email when initiated by a controller in the system. The controller uses a message instruction to initiate an email. Use the email to notify a maintenance person or an engineer of an alarm or alert so that corrective actions can be done in a timely fashion.

The system can also send system status or production reports. The module supports all email clients, such as email applications and text pagers.

- Share system data with external applications

The module stores data in its data views in XML files. This generic XML data presentation allows external applications to easily access and manipulate system data.

XML support is also platform and operating system neutral, so you can share data between different applications. For example, design a database application to obtain controller data from the web server module to streamline the data acquisition process.

In addition, the module supports an open-socket interface that lets a Logix controller communicate with Ethernet devices that do not support the EtherNet/IP application protocol, such as bar code scanners or RFID readers.

Features of EtherNet/IP Web Server Module in a Control System

The module provides the following features and services in the control system.

- Bridging and routing of messages

Like other EtherNet/IP modules, you can route messages, upload/download programs, and flash upgrade modules using the web server module as part of the communication path to access the target device.

- Data access (read and write) to controllers

Access the XML pages in the Enhanced Web Server module to view and modify data that resides in a controller that is in the same chassis as the EWEB module.

- Custom web pages

Create custom web pages that are tailored to your application. Use ASP functions to populate your web pages with live controller data.

- Email capability

You can initiate email messages from the embedded email composer in the module. You can also use the module to send an email initiated by a Logix controller via a MSG instruction.

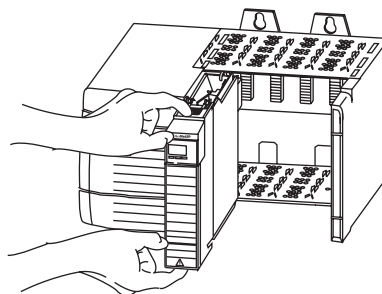
- Open-socket interface

You can open TCP or UDP communication links to other standard Ethernet devices via the module.

1756-EWEB Installation

To install a ControlLogix Enhanced Web Server Module (1756-EWEB), follow these steps.

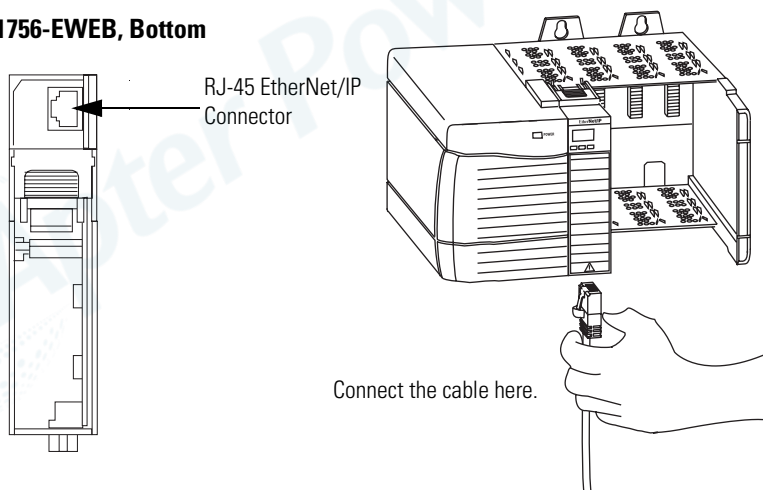
1. Align the module with a slot in the 1756 chassis.



2. Slide the module back into the chassis until it snaps into place.
3. Connect the module to the network.

The RJ-45 connector is on the bottom, front of the module.

1756-EWEB, Bottom



4. Obtain an IP address.

For more information, see chapter 2.

By default, the web server module is DHCP enabled. If you connect the web server module to a network that has a DHCP server, that server will assign a dynamic IP address to the web server module and the four-digit display on the front of the web server module will display each of the four numbers of the IP address.

If your network does not have a DHCP server, use one of the methods described in chapter 2 to assign an IP address to the web server module.