ControlLogix™ 1756-EWEB Enhanced Web Server Module

Overview

The new 1756-EWEB (EWEB) module for Allen-Bradley ControlLogix® controllers supports EtherNet/IP communications and offers a suite of Web capabilities that enable users to view plant-floor data via Web pages, receive e-mail or pager-based alarm notifications, and transmit information to a variety of software applications using Extensible Markup Language (XML) data. It is the first module to bring this type of Web functionality to the Logix control platform.

Benefits

In the past, users required additional software loaded on remote computers to view control information from a manager’s office or other remote location. With the EWEB module, users can view control information anywhere, anytime from a standard Web browser such as Microsoft Internet Explorer - allowing greater accessibility and collaboration of information from the shop floor to the top floor.

The EWEB serves preformatted and custom Web pages containing control system data. Users authorized to access the information can do so on any computer with Internet access and a browser. This feature allows plant managers, engineers or maintenance specialists to monitor control system data at their convenience.

In addition, users can create custom Web pages with the EWEB module, a feature which original equipment manufacturers (OEMs) can use to add more value to their machines. With these Web pages, OEMs and others can provide customized information and support by combining control data from users’ machines with links to support services, machine documentation or online spare parts order forms, for example.

By programming the appropriate logic, the EWEB module also may be used to send messages to notify users of critical events or report status via e-mail or a paging system (with compatible e-mail programs).

Plus, the module is XML-based, meaning users can share information with other software applications without the need for middleware. And the XML control information provided by the EWEB module can be transmitted to computers running any operating system, which is important for mixed computing environments.
ControlLogix 1756-EWEB Enhanced Web Server Module Specifications

### Mechanical
- **Module Location**: Any slot in the ControlLogix chassis
- **Ethernet Connector**: RJ45 Category 5

### Electrical
- **Maximum Backplane Current Load**: 700mA @ 5.1V dc
  3mA @ 24V dc from I/O chassis backplane
- **Power Dissipation**: 3.65W maximum
- **Isolation Voltage (continuous voltage withstand rating)**: 50V
- **ESD Immunity**: IEC 61000-4-2: 6kV contact discharges, 8kV air discharges
- **Radiated RF Immunity**: IEC 61000-4-3: 10V/m with 1kHz sine-wave 80%AM from 30MHz to 10000MHz
- **EFT/B Immunity**: IEC 61000-4-4: ±2kV at 5kHz on communication ports
- **Surge Transient Immunity**: ±2kV line-earth (CM) on shielded ports
- **Conducted RF Immunity**: IEC 61000-4-6: 10Vms with 1kHz sine-wave 80% AM from 150kHz to 80MHz
- **Conductors Wiring Category**: -2 (on communication ports)

### Environmental
- **Operational Temperature**: IEC 60068-2-1 (Test Ad, Operating Cold)
  IEC 60068-2-21 (Test Bd, Operating Dry Heat)
  IEC 60068-2-14 (Test Nb, Operating Thermal Shock)
  0 to 60°C (32 to 140°F)
- **Storage Temperature**: IEC 60068-2-1 (Test Ab, Unpackaged Non-Operating Cold)
  IEC 60068-2-2 (Test Bb, Unpackaged Non-Operating Dry Heat)
  IEC 60068-2-14 (Test Na, Unpackaged Non-Operating Thermal Shock)
  40 to 85°C (-40 to 185°F)
- **Relative Humidity**: IEC 60068-2-30 (Test Dc, Unpackaged Non-Operating Damp Heat)
  5 to 95% non-condensing
- **Vibration**: IEC 60068-2-6 (Test Fc, Operating): 2g @ 10-500Hz
- **Operating Shock**: IEC 60068-2-27 (Test Ea, Unpackaged Shock): 30g
- **Non-Operating Shock**: IEC 60068-2-27 (Test Ea, Unpackaged Shock): 50g
- **Enclosure Type Rating**: None (open-style)
- **Certifications**: UL listed, CSA certified for Class 1 Division 2, group A, B, C, D hazardous locations, CE marked, C-Tick, EtherNet/IP
- **Emissions**: CISPR 11: Group 1, Class A

### Related Web-enabled Products
All Rockwell Automation EtherNet/IP products support a Web server and provide diagnostic capabilities. Over time, we have continued to extend these capabilities to include the ability to access data tables, create custom Web pages, initiate phone or e-mail messages, and, now, with the EWEB module, the ability to transmit information to a variety of software applications using XML data. Related Rockwell Automation Web-enabled products include the following. Contact your local sales representative or distributor for more information.

- EtherNet/IP SLC 5/05 Controllers
- PLC-5 EtherNet/IP Interface Module
- Ethernet Interface Modules, 1761-NET-ENI/W
- RSVIEW32 Messenger
- RSVIEW32 Web Server
- RSProduction Portal

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