

INTRODUCTION

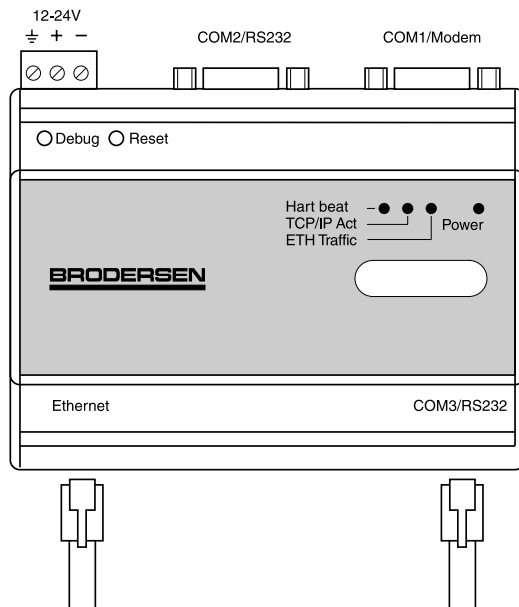
UWM-8X WebModules is a series of small Web Server Modules designed for industrial environment.

The concept is via this series of WebModules to allow you to add network connectivity to your products. The product line provide a hardware and software solution for Internet/Intranet access to you application.

Features

- 24 hours world-wide access via Internet or existing LAN with minimal transmission cost.
- User friendly and well known Browser technology. No need for special software.
- Automatic download of software upgrades via internet/Intranet.
- Remote configuration, remote service and update of your device/ application.
- Fastest time to market for adding Internet connectivity to your new and even exiting applications.
- Only your application specific adaption required - all WebServer functionality is built-in and ready for use.
- Available both as standard product and user specified product or solutions (OEM).

UWM-8X WebModule



TECHNICAL DESCRIPTION

Ready to Integrate

The UWM-80 WebModule is ready to integrate with your existing application. The UWM-80 version has physical standard serial RS232 and RS485 interfaces. This can be configured as a tunnel, enabling serial communication via TCP/IP or it can be handled by your application program giving you access to your special communication protocol. Optionally the UCM-80 can be delivered with a AVR controller. In this version you are given serial host port access to pro-

gram the AVR controller via the Internet/Intranet, and you will have direct TelNet access to your device/application. The AVR controller has in addition a serial RS232 interface to which you freely can implement a specific driver after your specifications.

The standard communication interface to the Internet/Intranet is a built-in 10BASE-T Ethernet for connection to LAN. Brodersen WebModule gives you a powerful development environment for integrating Internet technology in your application.

If you want a plug'n play solution

If you don't have the time or the capacity to developing your application specific WebModule solution, we can provide your with the nessesary software adaptions, and e.g. design your homepages. Even hardware adjustments is possible if required.

A Complete Hardware and Remotely Updateable Software Solution

Brodersen WebModule is an application-specific peripheral that connects your device to the Internet and speeds the time-to-market your next generation Internet-enabled device or application. Each WebModule is a complete hardware solution with remotely updateable firmware, to ensure a long product life and inexpensive service and maintenance. The WebModule features 16-bit architecture, and includes 1-2 Mbytes RAM and 1-4 Mbytes onboard flash disk, with file access for storage of firmware. The WebModule eliminates the need for an expensive processor, server or PC to enable Internet access. Installed between the existing device and a communication line, WebModule invokes simple, yet powerful high-level Internet protocol commands to run the HTTP, PPP, UDP, TCP/IP, SMTP, Telnet and MIME protocols for sending and receiving data over the Internet/ Intranet.

Simplified, High-Level Script Language

The WebModule utilizes WebScript to create powerful scripts to communicate with your device and create dynamic HTTP pages for data exchange and presentation on the World Wide Web or on your local Network. WebScript gives you access to all resources in the WebModule, and enables full access to sensitive real-time data in your application. Supplied scripts help you build and test your application interface using a standard web browser.

FTP file access, E-mail, SMS & WAP support

The Flash file system in the WebModule enables user and password protected FTP access to data and application program files for simple and easy up- and download of WebPages and configuration application data. Download new versions of your application firmware online and without the need to travel to a remote site. Configure the build-in e-mail function to send messages to any mailbox - or cellular SMS or WAP phone.

Hardware block diagram

