WinSystems® SOFTWARE

Sockets for DOS TCP/IP Network Communications Software

FEATURES

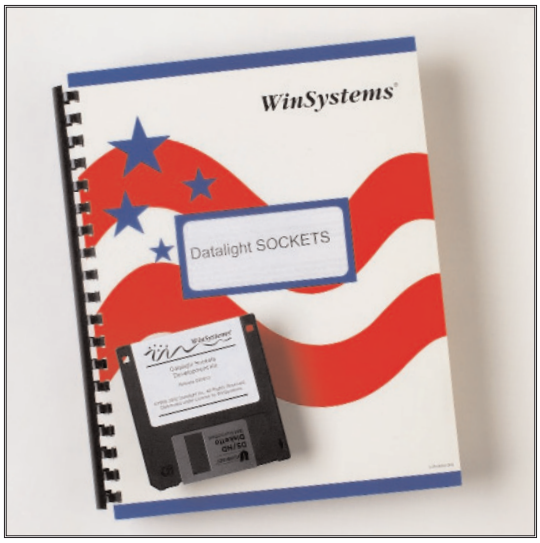
- Internet Protocol and Network Communications Software for Network-enabled embedded designs
- Supports STD Bus, PC/104, EBX, and other WinSystems' x-86 based Single Board Computers
- Internet connectivity support includes
  - E-mail
  - Web server
  - Access Control
  - File transfer
  - Remote console
- Quick Start Guide available with Sockets preloaded on a DiskOnChip® device
- Low cost

FUNCTIONAL CAPABILITY

WinSystems has teamed with Datalight® Inc. (Bothell, WA) http://www.datalight.com, to port their small, efficient TCP/IP stack called Sockets with WinSystems' Single Board Computer (SBCs). Sockets is a command-driven Internet protocol software package that runs on the ROM-DOS embedded operating system providing both client and server services. Sockets supports most networking data transmission protocols, including FTP, TCP, DHCP, IP and email (send and receive). Sockets operates over the WinSystems SBC's Ethernet port. This hardware and software combination is targeted for the telecommunication, data communication, and information appliance markets where small size and an extended operating temperature range are important.

Sockets is a suite of tools designed to Internet-enable embedded devices. It includes a compact TCP/IP stack and a complete set of applications that are designed to address real world embedded Internet challenges. These applications include: FTP server and client for custom network communication; HTTP server and client for remote disk updating and file sharing; E-mail, for immediate notification and reporting; Terminal Emulation, for legacy terminal replacement; and Print, for instant access reporting.

E-Mail - The system can be controlled via specific email messages that control the system behavior. Notification can be delivered to a server that monitors many systems, or to an operator via a message to a desktop email address, cell phone or pager. This function requires a custom application to operate.



Web Server - Sockets provides a web server that allows an embedded system to be viewed and controlled from a web browser. A sample web page in HTML code is provided to demonstrate how to quickly set up and use this function.

Access Control - User authentication is performed on multiple levels. The Web Server uses a password file to define the rights of a connecting client. A second access file has the ability to assign specific access rights on a directory level.

File Transfer - Files can be sent and received from a ROM-DOS system using the Internet standard File Transfer Protocol (FTP) with the FTP server. This enables a user to update applications running on the remote system or retrieve data files from the system.

Remote Console - It allows access through Microsoft® Internet Explorer and appears as a DOS box on the browser. Status on the remote embedded system can be easily monitored. Applications such as diagnostics can be run and results read and presented in HTML format where a DOS box isn't preferred.

ORDERING INFORMATION

Call or email your WinSystems' factory application engineer for specific part numbers, system requirements, and order configurations for Sockets.

WinSystems, Inc.®

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