

TCP/IP Protocol Stack

Overview

This software is a TCP/IP protocol stack developed for embedded application, which enables easy development of network-enabled devices.

In combination with other application protocols (HTTP, SMTP, POP3, etc.), this TCP/IP protocol stack realizes communication with a Web browser or mailer on a PC.

Features

- High-speed, light, and compact module designed for embedded application.
- Supports the BSD socket interface.
- Optimized for Toshiba real-time OS TR900.

Specifications

- Supported protocols IP, TCP, UDP, ARP, ICMP, DHCP, DNS
- Standards RFC compliant

Operating Conditions

- Target MCUs TLCS-900 Family
- Resource requirements ROM 32 Kbytes / RAM 7 Kbytes or more
- OS Toshiba TR900 (uITRON 3.0)

Package Contents

Source code (or object code), software manual, sample driver (Ethernet)

Application Products

PDA's, electronic home appliances, communications devices, etc.

Recommended MCUs

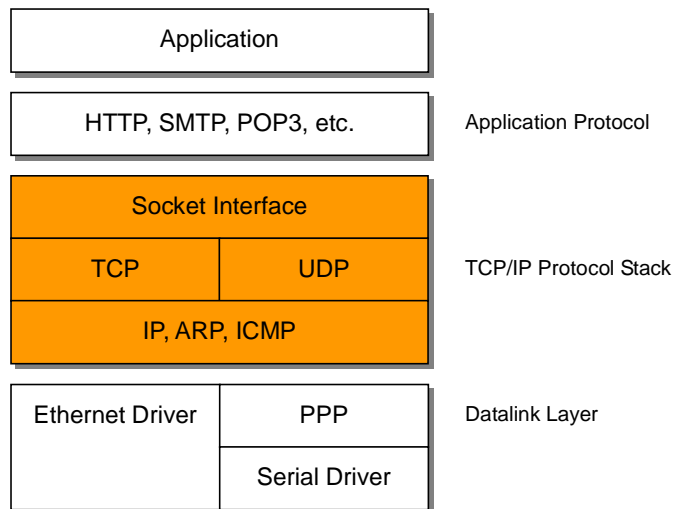
TLCS-900/L1 series, TLCS-900/H1 series

*For details, please contact your local Toshiba office.

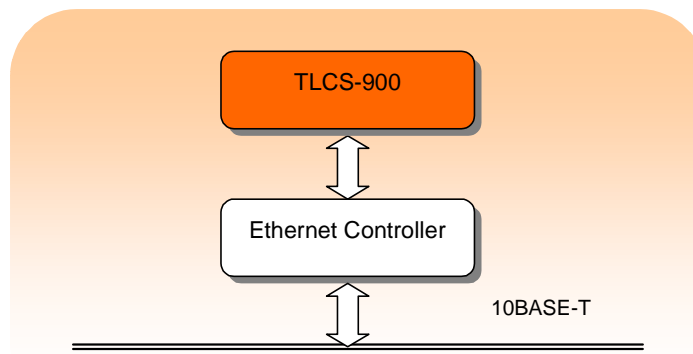
TOSHIBA Semiconductor Company Website:

<http://www.semicon.toshiba.co.jp/eng/index.html>

Software Configurations



System Configuration (Example)



Optional Protocols

HTTP Server

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