**Protocol Designer Tool**

**abstract design**

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# Background

Welcome to use protocol designer! You may be wonder what is the protocol designer? It used to design protocol? Yes, it’s used to design communicative protocol. Including TCP/IP, SPI, IIC, modbus, RS-232, RS-485, HART, MPI, UART, PROFIBUS, Ethernet, ASI, PPI, S7, profinet, Profibus-DP, Devicenet. You can use protocol designer tool to reproduce all above protocol. At same time, you can use protocol compiler to convert the protocol description file to c code. Using MSVC, GCC or other c compiler, you can directly contribute the protocol parser library.

Besides, protocol designer provides protocol debugger to user. Protocol debugger is a tool to assist user to find out problems when developing new protocol. To make sure the protocol was designed by user idea, protocol designer tool provides protocol test module. Protocol test module can be added the test case designed by user to verify the new developed protocol is work as user think.

Protocol designer is utility tool, not only to express protocol in GUI, but also used to design new protocol. User can use it to reproduce the TCP/IP parser process. And it also can design new protocol. Just drag the base element and drop them into protocol description scene and avoid clicking keyboard to contribute code, you can easily construct a piece of protocol.

# Glossary

None.

# Design Object

## Function

None.

## Performance

None.

# System Environment

Windows, Linux and MacOS.

# Framework

## Main Framework

None.

## Module

None.

# Design

None.

## Flow

None.

## Structure

None.

## Algorithm

None.

## Interface

None.

## Configure

None.