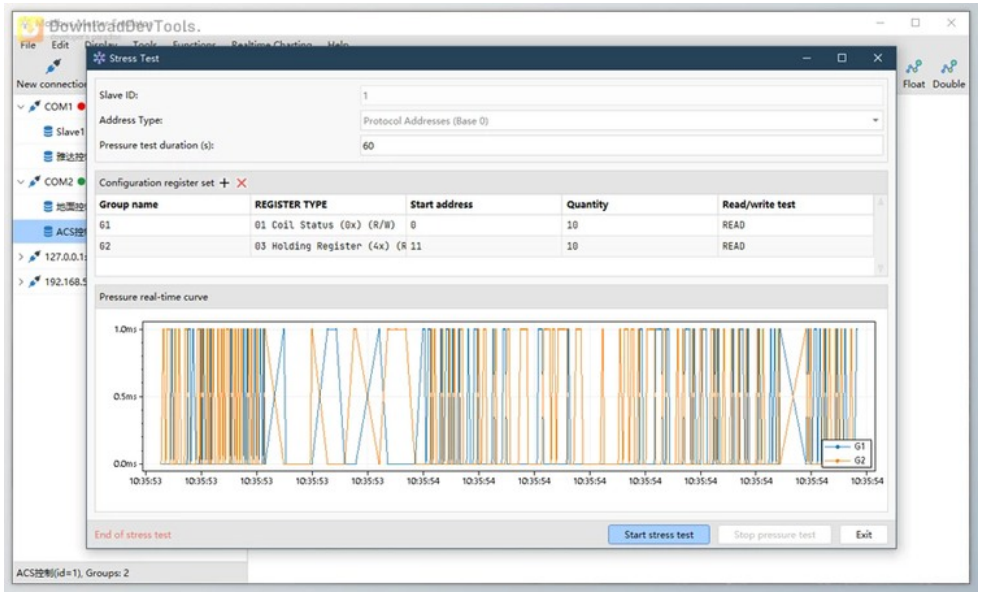
Redisant Modbus Master Emulator v2.0.2.9 PreActivated

2025-06-11 18:14:15





is an all-in-one tool designed to manage and debug Modbus communications across multiple devices and protocols. It supports various Modbus protocols, including RTU, ASCII, and TCP/IP, allowing you to create multiple connections at once and monitor data from various slave devices. The tool is particularly useful for testing function codes and ensuring your Modbus systems are set up correctly without needing to edit raw data frames manually.

A key feature of the **Redisant Modbus Master Emulator** is its ability to visualize real-time data trends by drawing charts from any number of registers. This helps you see how data changes over time and troubleshoot issues with ease. You can zoom in and out of data points, export charts, and monitor communication traffic on both serial and Ethernet lines. Additionally, it includes stress testing capabilities to simulate heavy loads and assess how well your system can handle increased activity.

Designed to simplify Modbus management, Redisant also includes handy tools for converting data formats like Long, Float, and Double into the correct register formats. The interface is powered by GPU rendering for smooth performance, and the emulator supports up to 28 different data formats. With features like address translation, register grouping, and export/import options for Excel, it offers everything you need to manage Modbus communication networks efficiently.

Key Features of **Redisant Modbus Master Emulator** :

1. **Supports Multiple Modbus Protocols:** Modbus RTU, ASCII, TCP/IP, UDP/IP, and more.
   Ability to create multiple connections simultaneously for comprehensive testing.
2. **Rich Function Codes:** Quickly test a variety of function codes like reading/writing coils, registers, diagnostics, and more without manual data frame editing.
3. **Real-Time Data Visualization:** Generate real-time charts to track trends in register values, zoom in on data points, and export charts for further analysis.
4. **Communication Traffic Monitoring:** Monitor all communication data on serial or Ethernet lines to diagnose problems and optimize performance.

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Applications Tools

5. **Stress Testing:** Run stress tests on Modbus slave devices to assess their performance under heavy workloads.
6. **Data Conversion Tools:** Easily convert Long, Float, and Double data types into byte sequences in registers, ensuring correct format handling.
7. **Address Translation:** Effortlessly switch between Modbus and PLC address formats for easier debugging across different devices.
8. **Comprehensive Data Management:** Supports up to 28 data formats, register grouping, and annotation for organized management. Also allows for exporting/importing data to Excel.
9. **GPU-Enhanced Rendering:** Provides a smooth interface experience with GPU rendering, reducing power consumption and maintaining high performance.

版本列表

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