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3. JMLIB: Is an integrated Modbus library that supports all Modbus clients and servers, including TCP/IP, RTU and CAN, 4. ModbusML: ModbusML is a client for ModbusRTU and ModbusTCP and supports all Modbus devices, Modbus Protocol ----- Modbus is an industrial communication protocol. It was developed by the international Modbus Association to become a unified communication standard. The Modbus Protocol aims to work on many different computers and different communication mediums like a RS-232 serial interface or a CAN bus interface [@MR2015]. The Modbus protocol is based on two interfaces: a Modbus serial interface and a Modbus network interface. For network communication, Modbus uses a single wire (digital) communication protocol named ETHERNET-like (ETHER) protocol. The Modbus protocol is well known in the automation industry and has been used in many industrial applications for over 30 years [@ModbusWikipedia]. The Modbus protocol is categorized in three layers: Data-Layer, Control-Layer and the application-layer. The Modbus protocol uses a master and slave architecture. The master and the slave are responsible for the Modbus operation respectively. The master computer sends the Read/Write request to the slave. The slave gives the request data back. The Modbus protocol's data-layer consists of a Modbus address space. The address space is a set of 888 bits (S168 in total). The address space is used to provide a unique identification of Modbus devices in a network. An address space is used to associate any data being sent between a Modbus master and Modbus slave to a device. On the communication layer, the Modbus protocol uses the ETHERNET-like protocol. The Modbus protocol uses four wires (four bit): power (VCC), clock (SCK), data (SDIN) and ground (SGND). It has no specific device identifiers. As a result, any device can be connected to any communication medium. Modbus is a command and response protocol. A master computer communicates with a slave computer using a Modbus protocol using either a Master-initiated Read/Write (MIR/MIRW) or a Slave-initiated Read/Write (SIRE/SIRW) [@MR2015]. The Modbus protocol only requires one connection for 82157476af

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