



Making Data Acquisition Easy

CAGE/NCAGE Code: 3FNFO

Modbus RTU to Modbus Ascii Conversion

Modbus RTU is generally regarded as the standard of Industrial Protocols. It is also the most common protocol available on most SCADA platforms. A short time after Modbus RTU was introduced, another similar but different protocol called Modbus ASCII was introduced. Each protocol has their benefits and they share many common features. Sometimes, this leads to confusion. Because Modbus RTU and Modbus ASCII are both communicable over RS-485 and are serial protocols, they are thought of as compatible. In some instances, SCADA or PLC software will have both drivers available. This is fine as long as you only have one device or if you have a 2nd RS-485 channel to add devices for the 2nd protocol. When this is not the case, this is when it can be a problem.

For this application, we have a solution which will allow for you to convert data from Modbus ASCII to Modbus RTU or vice versa. Our TSH-725 module has a Modbus format conversion mode. This mode will read data in one of these 2 protocols on one side of the module and convert the data to its complimentary protocol on the RS-485 bus on the other side and pass the data back to your Modbus Master device in the desired protocol.

https://www.icpdas-usa.com/tsh_725.html



If you have any questions concerning any of our protocol converter products, please contact us via email or phone. We are here to help.