INDUSTRIAL CONTROL COMMUNICATIONS, INC.

230 Horizon Drive, Suite 100
Verona, WI 53593
Tel: (608) 831-1255
Email: sales@iccdesigns.com

Mirius Version Info

07.31.2025

Firmware

- V4.500 release
- Added support to Siemens FLN Master and Slave for device addresses and point numbers up to 255.
- Fixed issue where USB Serial Pass-Through may drop characters or packets that are received in quick succession.
- Fixed issue with USB Serial Pass-Through where characters from a previous session could be sent when reopening the COM port.
- Increased USB Serial Pass-Through buffer size to match the USB Serial Sniffer buffer size.
- Decreased USB Serial Sniffer packetization timer to reduce interpreting multiple consecutively received packets as a single packet.
- Fixed BACnet MS/TP Server issue where an old COV notifications could be sent when communication is disabled then later reenabled via DeviceCommunicationControl commands.
- Improved BACnet MS/TP Server COV subscription lifetime calculation accuracy.

01.13.2025

Firmware

- V4.400 release
- Reduced object memory usage of BACnet MS/TP Server input objects by 30% and output/value objects by 15%.
- Increased allowable size of BACnet MS/TP Server objects' Object Name, Active Text, and Inactive Text properties to 32 characters.
- Increased allowable range of BACnet MS/TP Server Analog objects' Units property from 255 to 65535.
- Added BACnet MS/TP Client/Server driver to support both client and server capabilities to be performed simultaneously.
- Added 7 data bit support to USB Serial Sniffer Settings.
- Added support for a selectable padding character (space or zero) to Generic Serial ASCII Encoded Decimal and Hexadecimal Numbers for encoded Database Data.
- Fixed number truncation behavior of Generic Serial ASCII Encoded Decimal Number encoding for Database Data packet objects.
- Fixed encoding and decoding Generic Serial ASCII Encoded Hexadecimal numbers using Low Byte First byte order when an odd number of characters are used.
- Added support for trailing space characters when decoding Generic Serial ASCII Encoded Decimal and Hexadecimal Numbers.
- Fixed issue with Generic Serial Master, running on the Port B port, where a database write on startup, prior to the driver starting, may not cause the driver to issue a write request.

230 Horizon Drive, Suite 100
Verona, WI 53593
Tel: (608) 831-1255
Email: sales@iccdesigns.com

- Reworked Modbus RTU Slave Function Code 06 to reject any writes to standard 32-bit registers (where the 32-bit value is comprised of two 16-bit registers), since FC06 can only send one 16-bit register.
- Reworked Modbus RTU Master Function Code 06 to split standard 32-bit register writes (where the 32-bit value is comprised of two 16-bit registers) into two requests, since FC06 can only send one 16-bit register.
- Fixed issue when reading Modbus RTU Slave discretes where unused bits may not be 0 in the response packet.
- Fixed possible rollover issue for Modbus RTU Slave discrete mappings.
- Fixed issue with BACnet MS/TP Client where the driver may cease to send requests if a response to another client's request is sent while the request is pending transmission.
- Fixed issue where the Run Mode Network Configuration Parameter could be set to Running instead of Configuration Mode while the device is in Configuration Mode and a fatal error occurs.
- Fixed database writing issue for writes that start prior to the Network Configuration Parameters database block and extend into the Network Configuration Parameters database block.
- Improved USB protocol error checking.

User's manual version

- December 6, 2024

12.17.2020

Firmware

- V4.300 release
- Added a Factory Reset option to the Run Mode network configuration parameter.
- Increased the USB Serial Sniffer buffer size and maximum number of packets.
- Fixed BACnet COV detection issue when the special NaN value is used.
- Added support for the CD-6G detector to Macurco Modbus Monitor.
- Added a new Normalized Reading (Float) parameter for each detector to Macurco Modbus Monitor.
- Fixed issue where only up to 256 Service Objects can be accessed by master/client drivers.
- USB communication and error handling improvements.

User's manual version

- December 11, 2020

05.27.2020

Firmware

- V4.200 release
- Added Modbus RTU Firewall Router protocol.
- Added support for Relinquish/Release Events to BACnet MS/TP Server, Metasys N2 Slave, and Siemens FLN Slave.
- Added support for Manual Triggers to Generic Serial Master transactions.

230 Horizon Drive, Suite 100
Verona, WI 53593
Tel: (608) 831-1255
Email: sales@iccdesigns.com

- Added support for Received Events to Generic Serial Slave transactions.
- Increased object memory capacity by 6% to accommodate new Relinquish/Release Events.
- Added support to increment the RX Error counter for SPI communications when corrupted packets are detected.
- Changed BACnet error code returned when the number of COV's or objects exceed what fits in a packet from Buffer Overflow to Segmentation Not Supported.
- Fixed issue when writing the maximum length (16 characters) to the device object name from the BACnet network where the last character is dropped.
- Fixed issue where device object properties do not retain their values when written via BACnet to the Port B port when the port is configured for BACnet MS/TP.
- Added support for exception codes 0A Gateway Path Unavailable and 0B Gateway Target Device Failed to Respond to Modbus RTU Master Diagnostics Objects.
- Fixed issue with parsing transactions and packet data objects when Generic Serial is configured on both ports.
- Added support for rounding truncated numbers when using the ASCII Encoded Decimal Number Element Encoding in the Generic Serial drivers.
- Fixed issue where Network Configuration Parameters are not initialized in the database if USB to Serial Pass-Through is enabled.
- Fixed default pin state biasing for disabled serial ports.

User's manual version

- April 27, 2020

11.26.2018

Firmware

- V4.100 release
- Fixed issue in Metasys N2 slave driver where COS notifications stop being sent to the master.
- Fixed delays in Metasys N2 COS reporting on high traffic networks.
- Improved Metasys N2 slave COS checking when the driver is running on multiple ports.

07.24.2018

Firmware

- V4.000 release
- BACnet BTL Certification changes
    - Made Polarity property writable from the network for Binary Inputs and Binary Outputs.
    - Made the Local Date and Local Time properties of the Device object writable from the network.
    - Added date and time validation and rollover checking for Unix time format
    - Fixed issue where WritePropertyMultiple did not always return the recommended error code for syntax errors that occur after the first property.

230 Horizon Drive, Suite 100
Verona, WI 53593
Tel: (608) 831-1255
Email: sales@iccdesigns.com

- Reworked Modbus RTU Slave driver to allow Coils and Discrete Inputs to be mapped directly to database locations.
- Updated Macurco Modbus Monitor driver to support sensor addresses from 1 - 99 and added support for CD-6H.
- Fixed issue with USB communications where response packets may not always be sent
- Corrected check in Modbus RTU Slave to return an exception when 16-bit registers and 32-bit registers are accessed in a single request.

User's manual version

- June 29, 2018

01.05.2018

Firmware

- V3.200 release
- Added ability to release an object's value to Metasys N2 Master.
- Added ability to release a point's value to Siemens FLN Master.
- Increased configuration file memory by 25 percent.
- Increased object memory by 7 percent.
- Fixed issue where network configuration parameters would be reset when applying a device update file using the Network Parameter Utility.
- Reworked when network configuration parameters are overwritten with values from the configuration file. This behavior is now triggered by the ICC Configuration Studio.
- Fixed upper range of TX-6 RD detector for Macurco Modbus Monitor.
- Added validation checks for Macurco Modbus Monitor baud rate and parity network parameters.

09.05.2017

Firmware

- V3.100 release
- Added new feature, Write Triggering, to control when service object writes are triggered when values are written to the database.
- Added enhancement to Modbus RTU Master driver's Group Multiple Writes setting to allow always grouping writes for entire service object.
- Added fail-safe timeout functionality to BACnet MS/TP Server driver.
- Added the Fail-safe Timeout protocol-specific network configuration parameter for BACnet MS/TP Server.
- Fixed issue with timeout detection in all slave/server drivers where a timeout could take twice as long under certain circumstances.
- Improved behavior of Value Change Detection database logic operation when using an enable trigger.

230 Horizon Drive, Suite 100
Verona, WI 53593
Tel: (608) 831-1255
Email: sales@iccdesigns.com

- Fixed issue in all master/client drivers that group multiple write requests into a single packet where requests may be split up after a single write within a service object even though multiple values change simultaneously.

User's manual version

- September 5, 2017

07.19.2017

Firmware

- V3.000 initial release

User's manual version

- May 15, 2017