INDUSTRIAL CONTROL COMMUNICATIONS, INC.

1600 Aspen Commons, Suite 210
Middleton, WI 53562
Tel: (608) 831-1255
Fax: (608) 831-2045
Email: sales@iccdesigns.com

ASD-G9ETH Version Info

08.29.2008

Multiprotocol firmware

- V2.100 release.
- Modbus TCP changes
  - Fixed infinite looping that could occur if extraneous data remains in receive buffer as a result of an improperly-coded Modbus master driver sending extra garbage bytes after the normal data packet
  - Added register remapping capabilities (ref. section 10.10.2)
  - Socket timeout resolution (entered via web page Config tab) increased to 0.01s increments
  - Increased the number of registers writable in a “write multiple registers” packet from 100 to 123
  - Increased the number of coils writable in a “force multiple coils” packet from 1600 to 1968
- BACnet/IP changes
  - Added support for output object priority arrays and relinquish default properties
  - Changed/added supported datatypes for reading and writing object properties (ref. “Datatypes Supported” table in section 13.4.2)
- EtherNet/IP changes
  - Allow only one exclusive owner connection
  - Allow only one input connection instance to be active at a time (e.g. 70, 71 or 150)
  - Allow multiple clients to simultaneously establish input-only connections
  - Added support for the ODVA AC/DC drive profile instances 20&70 / 21&71 (ref. section 13.2.2)
  - Added support for the AC/DC Drive, Control Supervisor and Motor Data objects
  - Changed product type code from Communications Adapter (12) to AC Drive (2)
  - Added the ability for the user to choose the action to take when an I/O connection’s run/idle header indicates that the client is in the “idle” state (ref. section 10.8.3)
- Web page changes
  - Added Modbus tab
  - Corrected an issue caused by a new Flash Player “policy file request” that occurs with the latest release of the Flash Player browser plug-in. This would cause the XML sockets to fail on their initial connection attempt.
  - Added “Run/Idle Flag” behavior checkbox to EtherNet/IP tab
  - Added “SMTP Authentication” fields to Alarm tab
- Other changes
  - Added support for email servers that require authentication (SMTP AUTH) when sending alarm emails
  - Added support for changing the IP address-related parameters via the drive’s keypad (only applies to G9 drives with V203r5 or later control board firmware, or H9 drives with V204r4 or later control board firmware)

Profinet firmware

- No new Profinet firmware released at this time: current version remains at V2.000

User’s manual version

- 10639-2.100-000

06.09.2008

ASD interface CPU firmware

- V1.200 release.
- Minor efficiency improvements to communication between ASD interface CPU and network interface CPU.

1600 Aspen Commons, Suite 210
Middleton, WI 53562
Tel: (608) 831-1255
Fax: (608) 831-2045
Email: sales@iccdesigns.com

04.15.2008

Multiprotocol firmware

- V2.000 release.
- Add Alarm monitoring functionality with email reporting.
- Add ability to change authentication information (config tab).
- Add ability to change IP address assignments via web page (config tab).
- Add selection for writing drive configuration parameters to just RAM or both RAM and EEPROM (config tab).
- Add Ethernet/IP class 1 (IO) messaging support with associated consumed/produced data configuration.
- Ethernet/IP class 3 (explicit) messaging tag references expanded to allow direct access to any available register.
- Ethernet/IP now triggers timeout processing when connection errors occur.
- Add support for Modbus TCP function codes 02 and 04.
- Add support for PCCC protocol (for Allen Bradley PLC-5 and SLC-500 series PLCs).

Profinet firmware

- V2.000 release.
- Add Alarm monitoring functionality with email reporting.
- Add ability to change authentication information (config tab).
- Add ability to change IP address assignments via web page (config tab).
- Add selection for writing drive configuration parameters to just RAM or both RAM and EEPROM (config tab).

ASD interface CPU firmware

- V1.100 release.
- If communication to the drive is lost, then the network interface CPU is held in reset to prevent the illusion that the drive is still communicating to the Ethernet network.
- Add support for writing configuration parameters to both EEPROM and RAM.
- Correct an issue that causes the drive to fault with an “option PCB error” after resetting from any other (unrelated) fault.
- All customers are recommended to upgrade their ASD interface CPU firmware to V1.100: contact ICC technical support for assistance if you currently have an interface board with V1.000 ASD interface CPU firmware.

User’s manual version

- 10639-2.000-000

10.12.2007

Multiprotocol firmware

- V1.000 initial release.

Profinet firmware

- V1.000 initial release.

ASD interface CPU firmware

- V1.000 initial release.

User’s manual version

- 10639-1.000-000