



FR-A7N-ETH Version Info

► 08.21.2008

Multiprotocol firmware

- V2.110 release
- EtherNet/IP changes
 - Corrected a bug introduced in V2.100 firmware that caused the user-configured timeout action(s) to not execute when an EtherNet/IP connection timeout occurred
 - 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 5.8.3)
- Modbus TCP changes
 - 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
- Web page changes
 - 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

Profinet firmware

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

User's manual version

- 10653-2.110-000

► 07.25.2008

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 5.10.2)
 - Socket timeout resolution (entered via web page Config tab) increased to 0.01s increments
- 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 8.4.1)
- 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 8.2.2)
 - 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)
- 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.

Profinet firmware

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

User’s manual version

- 10653-2.100-000

▶ **04.14.2008**

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 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)

User’s manual version

- 10653-2.000-000

▶ **10.09.2007**

Multiprotocol firmware

- V1.000 initial release.

Profinet firmware

- V1.000 initial release.

User’s manual version

- 10653-1.000-000