CANopen Router

Release Notes

A-CANOR

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Firmware Revision 1.009

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1. PREFACE

1.1. COMPATIBILITY

Firmware revision 1.009 of the CANopen Router will require the following compatible versions:

Software	Version
Slate	1.055 and later

1.2. NOTES

The following should be noted:

- Firmware upgrades will be done using Aparian's Slate software.
- Aparian flash files have an *.afb* extension.
- Slate can also be used to set the initial network parameters using its DHCP server.
- Should any interruptions cause the module to not complete the firmware upgrade the module will return to Safe Mode. The user can then re-flash the module with the application firmware. See the user manual for more information regarding Safe Mode.

1.3. ADDITIONAL INFORMATION

The following resources contain additional information that can assist the user with the module installation and operation.

Resource	Link
Slate Installation	http://www.aparian.com/software/slate
CANopen Router User Manual CANopen Router Datasheet Example Code & UDTs	http://www.aparian.com/products/CANopenRouter
Ethernet wiring standard	www.cisco.com/c/en/us/td/docs/video/cds/cde/cde205_220_420/installation/guide/cde205_220_420_hig/Connectors.html
CANopen Standards	https://www.can-cia.org/canopen/

1.4. SUPPORT

Technical support will be provided via the Web (in the form of user manuals, FAQ, datasheets etc.) to assist with installation, operation, and diagnostics.

For additional support the user can use either of the following:

Contact Us web link	www.aparian.com/contact-us
Support email	support@aparian.com

2. IMPROVEMENTS

The following updates are included in this firmware revision.

Revision	Improvement	Description
1.009	None	-
1.008	CANopen	Better management of the CANopen TPDOs being received at a very fast rate.
1.007	CANopen	Improved performance when one of the CANopen Slaves are offline.
1.006	ODVA	Update to meet the latest ODVA conformance testing.
1.005	Disable Error Register Reading	Added a disable option for reading the error register on a slave device.
	Slave Mode Operational Startup	Added option to startup in operational mode when in Slave mode (and not preop).
1.004	Inhibit Comms Lost	Added parameter to inhibit the module when the interface communication is lost.
1.003	Inhibit support	Added inhibit support for CANopen communication.

3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

Revision	Anomaly	Description
1.009	CANopen	Fixed issue where update time throttle would cause RTR not to work with PDOs.
1.008	EtherNet/IP	Resolved anomaly which could cause the client list to overrun and reboot module when CANopen packets are being received at a very fast rate.
1.007	Response Timeout	Fixed anomaly where when the CANopen device response timeout was set high, it would cause certain PDOs in that device to not update at the correct rate.

1.005	Heartbeat	Fixed state sending heartbeat without the toggle.
1.003	Modbus addressing	Fixed issue where the map index must be used for the Slave device mapping and not the CANopen node address.

4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

Revision	Anomaly	Description
1.009	None	-