

Process Cache / Process Cache Plus Release Notes

A-PCM

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Firmware Revision 1.011

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1. PREFACE

1.1. COMPATIBILITY

Firmware revision 1.011 of the Process Cache will require the following compatible versions:

Software	Version
Slate	1.035 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
Process Cache Service Installation	http://www.aparian.com/products/processcache
User Manual Datasheet Example Code & UDTs	http://www.aparian.com/products/processcache
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
Slate User Manual	www.aparian.com/slate/D104-001_Slate_User_Manual.pdf
CIP Routing	The CIP Networks Library, Volume 1, Appendix C:Data Management

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
1.011	None	-
1.010	Ethernet TCP	Improved stability.
1.009	System Time	Improved accuracy for system time
1.008	EtherNet/IP	Updates for ODVA Conformance.
1.005	EtherNet/IP	Added CIP Stats
1.004	EtherNet/IP	Updates to EtherNet/IP and CIP communication to comply with latest ODVA certification.
1.003	Logging	When in hold mode module will again start unloading (after hitting max logs) once sufficient records have been unloaded.

3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

Revision	Anomaly	Description
1.011	Rollover indication	Fixed anomaly where rollover was not correctly indicated.
1.010	DF1 Half Duplex	Resolved issue with DF1 Half Duplex checksum calculation.
1.009	WebServer	Fixed application page for Process Cache Plus
	Modbus	Fixes for Modbus Real and DINT reads
1.007	Ethernet	Fix for certain broadcast Ethernet packets that were being re-broadcasted.
1.006	EtherNet/IP Management	Resolved bug in the EtherNet/IP management causing ENIP and TCP clients to timeout too fast due to inactivity.
1.003	Record time	Fix record log time issue which could cause certain records to look like duplicates.

4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

Revision	Anomaly	Description
1.010	None	-