

# PA Link/B

## Release Notes

A-PAL/B

Document No. D121-009

Document Revision 1.0

05/2020

Firmware Revision 2.001.003

### CONTENTS

1. Preface.....	2
1.1. Compatibility.....	2
1.2. Notes.....	2
1.3. Additional Information.....	2
1.4. Support.....	3
2. Improvements.....	3
3. Anomalies Fixed.....	3
4. Known Anomalies.....	3



# 1. PREFACE

## 1.1. COMPATIBILITY

Firmware revision 2.001.003 of the PA Link will require the following compatible versions:

Software	Version
Slate	1.050 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	<a href="https://www.aparian.com/software/slate">https://www.aparian.com/software/slate</a>
PA Link User Manual PA Link Datasheet Example Code & UDTs	<a href="https://www.aparian.com/products/palinkb">https://www.aparian.com/products/palinkb</a>
Ethernet wiring standard	<a href="http://www.cisco.com/c/en/us/td/docs/video/cds/cde/cde205_220_420/installation/guide/cde205_220_420_hig/Connectors.html">www.cisco.com/c/en/us/td/docs/video/cds/cde/cde205_220_420/installation/guide/cde205_220_420_hig/Connectors.html</a>
CIP Routing	The CIP Networks Library, Volume 1, Appendix C:Data Management
Modbus	<a href="http://www.modbus.org">http://www.modbus.org</a>

## 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	<a href="http://www.aparian.com/contact-us">www.aparian.com/contact-us</a>
Support email	<a href="mailto:support@aparian.com">support@aparian.com</a>

## 2. IMPROVEMENTS

The following updates are included in this firmware revision.

Revision	Improvement	Description
2.001.003	Modbus	Support Modbus TCP Rapid Fire.
	Modbus	Added Modbus packet capture.
2.001.002	EtherNet/IP RPI	Max RPI is set to 500ms.
	Event Log	Add Port tripped event log.
	Modbus Status	Added PA Link status bits to Modbus Status.

## 3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

Revision	Anomaly	Description
2.001.003	Modbus Master	Fixed anomaly which was sending incorrectly formatted read request.
	Profibus Master	Resolved minor anomalies when re-enabling Operate in Profibus Master when Modbus communication is re-established.
2.001.002	Config Validation	Fixed issue with config validation.

## 4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

<b>Revision</b>	<b>Anomaly</b>	<b>Description</b>
2.001.003	None	-