EMERTXE TRAINING PROJECT DOCUMENTATION FRAMEWORK
REQUIREMENTS & DESIGN DOCUMENT

Module – ELARM

Wifi Driver

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Contents

1 Abstract

In custom Embedded systems not all the interfaces would be working by default. This requires bringing-up specific interfaces either by writing a device driver from the scratch or compiling pre-existing drive module gets compiled into the custom Kernel, after which applications can be successfully ported.

The goal of this project is to compile a WiFi driver into the custom Kernel and port any standard TCP/IP based network applications on to the ARM target. Post porting target should be able to successfully do data exchange with host.

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2 Requirements

Implement or port a wifi driver for a existing wifi dongle so that is works with Beaglebone Black

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3 Artifacts

References

- https://wiki.debian.org/WiFi