

NEOSTEL Zynq System Specification

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1 Glossary

- PL Programmable Logic
- PS Programmable System
- OCM On-chip memory

2 Introduction

3 Specification

- Linux runs on one ARM Core (CPU0)
- Baremetal application runs on CPU1 (it is handling exceptions from PL)
- PTP timestamp is being placed in OCM memory
- CCD driver is made in PL
- Shutter driver is made in PL

4 Technical assumptions

5 Bibliography

- XAPP1078 <http://www.wiki.xilinx.com/XAPP1078+Latest+Information>
- XAPP1079 <http://www.wiki.xilinx.com/XAPP1079+Latest+Information>
- PTP on Zynq <http://www.wiki.xilinx.com/Zynq+Emacps+Linux+Driver>
<http://goo.gl/FIMKKu>

6 Known issues