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| Preparado - Prepared (also subject responsible if other) | | Nr - No. | | |
| Owasys Advanced Wireless Devices | | D20-1002 | | |
| Responsable/Aprobado - Doc respons/Approved | Contr - Checked | Datum - Date | Rev. | File |
| Owasys SL | | 01/31/2020 | A | |

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LIST OF OWA4x/OWA450 SOFTWARE

Abstract

This document includes the List of Software components used in Owasys basis firmware for Owa4x and Owa450 platforms.

Both products owa4x and owa50 share the same codebase.

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1. U-BOOT

u-boot included is based on version 2016.09-rc2 and it is distributed under license GPL-2.0+

Some modifications have been made by Owasys in order to adapt this base version to our hardware platform.

Source code is available upon request.

All information about base u-boot and licensing can be found in this link

<https://www.denx.de/wiki/U-Boot/WebHome>

2. KERNEL

Linux kernel used by Owasys is based on kernel provided by TI in their SDK 05.01.00.11. This kernel is an adapted version of linux kernel 4.14.67 to be used with some TI CPU families.

Also Owasys has made some modifications to adapt this kernel to our hardware.

Source code is available upon request.

Some other drivers from different manufactures have been included in order to provide Owasys platforms with specific features.

- Drivers from ST

https://github.com/STMicroelectronics/STMems_Linux_IIO_drivers

- Drivers from HD wireless for WiFi and BT

- Crypto drivers

<http://cryptodev-linux.org>

All this software is distributed under license GPL version 2, and all information about licensing can be found at

<https://www.gnu.org/licenses/licenses.html#GPL>

3. FILE SYSTEM

Linux distribution included in the Owasys owa4x and owa450 platforms is **Debian 9.6**.

<https://www.debian.org/News/2018/20181110>

Some packages have been excluded from standard Debian distribution to adapt it to embedded devices:

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- aptitude, aptitude-common, dmidecode, groff-base, info, install-info, man-db, manpages, tasksel, tasksel-data, vim-common, vim-tiny, wget

And some others have been included. All these software packages are listed here:

[D20-1003-Owa4xDebianPackages.txt](#)

In this file you also can find package name, version, description and license under which they are distributed.

The source code of all these packages can be found here

[CYA100_9017-Owa4xDebianPackages.src.tar.gz](#)

Beside this standard software packages, Owasys includes in the Owa4x platforms some other software libraries and applications that are distributed under the Owasys proprietary software license:

[D19-9908-B-OWASYS Proprietary SW License Agreement.pdf](#)

The list of Owasys software components and their versions is listed here:

[D20-1004-Owa4xOwasysSoftware.txt](#)