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OpenAutomationTechnologies / **openPOWERLINK_V2**

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Release 2 of the openPOWERLINK protocol stack

⊙ **2,519** commits   **6** branches   **14** releases   **18** contributors

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zelenkaj [TASK] Update release information for V2.3.2   ⋯   Latest commit d992472 24 days ago

apps	[FIX] Fix default value of object 0x1030/0x04	6 months ago
bin	[TASK] Add bin and lib directory	2 years ago
cmake	[FEATURE] Add NDIS intermediate driver project for Windows	7 months ago
contrib	[FIX] Add support in NDIS intermed to enable and disable VEth binding	4 months ago
doc	[TASK] Update release information for V2.3.2	24 days ago
drivers	[FIX] Fix Linux i210 CN configuration failure error	4 months ago
hardware	[FIX] Fix unconstrained path/port warnings on DE2-115 MN and CN designs	a month ago
objdicts	[TASK] Update release information for V2.3.2	24 days ago
stack	[TASK] Update release information for V2.3.2	24 days ago
staging	[FIX] Rename variable EventType_p to evenType_p	11 months ago
tools	[FIX] Fix Altera EPCS programming target	6 months ago
unittests	[FEATURE] Implement LED module in kernel layer	8 months ago
.gitignore	[TASK] Add .gitreview in main .gitignore	2 years ago
license.md	[TASK] Add license file to software manual	3 years ago
readme.md	[TASK] Update release information for V2.3.2	24 days ago
revision.md	[TASK] Update release information for V2.3.2	24 days ago

📖 **readme.md**

openPOWERLINK {#mainpage}

openPOWERLINK - An Open Source POWERLINK protocol stack

Ethernet POWERLINK is a Real-Time Ethernet field bus system. It is based on the Fast Ethernet Standard IEEE 802.3.

openPOWERLINK is an Open Source Industrial Ethernet stack implementing the POWERLINK protocol for Managing Node (MN, POWERLINK Master) and Controlled Node (CN, POWERLINK Slave). It implements all important features required by modern POWERLINK devices such as Standard, Multiplexed and PollResponse Chaining mode of operation, dynamic and static PDO mapping, SDO via ASnd and SDO via UDP, as well as asynchronous communication via a Virtual Ethernet interface.

Latest stable version: 2.3.2 Current version: 2.3.2

License

openPOWERLINK is Open Source software (OSS) and is licensed under the BSD license. Some target platform specific parts of the stack are licensed under other licenses such as, without limitation, the GNU General Public License Version 2. Please refer to the file's header and the file \"license.md\" for the applicable license and the corresponding terms and

conditions.

Documentation

The documentation of the openPOWERLINK protocol stack can be found in the subdirectory "doc". It is written in *markdown* markup format. The openPOWERLINK software manual can be generated from the markdown documentation and the in-source documentation with the tool Doxygen. Doxygen version 1.8 or higher is required.

To generate the software manual:

```
> cd doc/software-manual
> doxygen
```

The software manual will be created in HTML format under `doc/software-manual/html` .

The documentation of the latest stack version is also available online on the openPOWERLINK website: http://openpowerlink.sourceforge.net/

Support

Support on openPOWERLINK is available via the online discussion forums:

- Discussion

Download

openPOWERLINK can be downloaded from its SourceForge project site:

- Sourcecode: tar.gz

Contributors

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(c) Kalycito Infotech Private Limited, http://www.kalycito.com

Links and References

- openPOWERLINK project website: http://sourceforge.net/projects/openpowerlink
- openCONFIGURATOR project website: http://sourceforge.net/projects/openconf
- Ethernet POWERLINK Standardization Group: http://www.ethernet-powerlink.org