



# openPOWERLINK

An Open Source POWERLINK Stack

Brought to you by: [fieldbusboy \(/u/fieldbusboy/\)](#), [systec-dk \(/u/systec-dk/\)](#), [systec-mu \(/u/systec-mu/\)](#), [wseiss \(/u/wseiss/\)](#), [zelenkai \(/u/zelenkai/\)](#)

★ 5.0 Stars (/projects/openpowerlink/reviews/) (2)

↓ 197 Downloads (/projects/openpowerlink/files/stats/timeline) (This Week)

📅 Last Update: 2016-04-27

Download

openPOWERLINK\_V2.3.2.tar.gz

Browse All Files

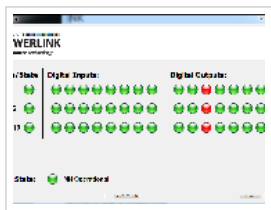
(/projects/openpowerlink/files/)

Tweet

G+1

0

Gefällt mir



### Description

openPOWERLINK is an Open Source Industrial Ethernet stack for communication in hard real-time. It can be operated as both, Managing Node (master) and Controlled Node (slave).

With version 2.0, the source code has been cleanly split into an application-oriented user library and a time-critical stack driver. The latter may be moved to a dedicated communication processor or into a kernel module to deliver enhanced performance while still keeping the API in user space.

A full documentation of the stack is available on the web site:

[openPOWERLINK Web Site >](#)

Categories

[Other/Nonlisted Topic \(/directory/other/nonlisted-topic/other/\)](#), [Networking \(/directory/system-administration/networking/\)](#), [Robotics \(/directory/science-engineering/robotics/\)](#)

License

[BSD License \(/directory/license:bsd/\)](#)

### Features

- Platform independent and highly portable real-time Ethernet stack
- Versatile operation modes: Standard Node, Multiplexed Node, PollResponse Chaining Node, Async-only Node
- Setup of real-time communication via static or dynamic PDO mapping
- Supported asynchronous communication: SDO over ASnd and SDO over UDP
- Optimized use of asynchronous bandwidth due to "Multiple ASnd"
- Implements state-of-the-art standards: EPSG DS 301, EPSG DS 302-A, EPSG DS 302-B, EPSG DS 302-C

KEEP ME UPDATED

Get project updates, sponsored content from our select partners, and more.

By clicking on "Follow" below, you are agreeing to the [Terms of Use \(http://slashdotmedia.com/terms-of-use/\)](#) and the [Privacy Policy \(http://slashdotmedia.com/privacy-statement/\)](#).

Sent to [franz.profelt@gmail.com](mailto:franz.profelt@gmail.com). [\(change\)](#) [\(/auth/preferences/\)](#)

Follow

### User Ratings

Rate this Project:

5.0 OUT OF 5 STARS

★★★★★

2

★★★★★

0

★★★★

0

★★★

0

★★

0

★

0

https://sourceforge.net/projects/openpowerlink/

1/3

## Project Activity



Hi, Michael. I resolve this problem. Source code, is the best manual . Best regards...

2 days ago

Hi, Michael. I resolve this problem. Source code, is best manual . Best regards ...

2 days ago

Hi, Michael. I've resolved the problem. Source code is best manual. Best regards...

2 days ago

Hi Michael, i use version 2.3.2. And can't reseive callback for SDO. For event, i

4 days ago

Hi Alexey. In which version exactly are you experiencing this issue? Best regards...

6 days ago

[See All Activities >](#)[Write a Review >](#)

All (#)

I've been waiting/searching for this kind of open supply job for some time.

Posted 01/09/2012

Helpful (0)

Exceptional system! I utilize it extensively

Posted 12/16/2011

Helpful (1)

[Read more reviews >](#)

### Intended Audience

## User Interface

Non-interactive (Daemon)  
(/directory/environment:daemon/)  
Programming Language  
C (/directory/language:c/)

Registered

2008-04-10

<a href="#">@sfnet_ops</a> <a href="http://twitter.com/sfnet_ops">http://twitter.com/sfnet_ops</a>	<a href="#">Top Downloaded Projects</a> <a href="/top">/top</a>	<a href="#">Resources</a> <a href="https://library.slashdotmedia.com/">https://library.slashdotmedia.com/</a>
<div>© 2016 Slashdot Media. All Rights Reserved.</div> <div><a href="#">Terms</a> (<a href="https://slashdotmedia.com/terms-of-use/">https://slashdotmedia.com/terms-of-use/</a>)<a href="#">Privacy</a> (<a href="https://slashdotmedia.com/privacy-statement/">https://slashdotmedia.com/privacy-statement/</a>) <a href="#">Cookie Preferences</a> (<a href="#">/</a>)<a href="#">Opt Out Choices</a> (<a href="https://slashdotmedia.com/opt-out-choices/">https://slashdotmedia.com/opt-out-choices/</a>)<a href="#">Advertise</a> <a href="#">(https://slashdotmedia.com/)</a></div>		