XDD Checker
User Manual

Date: May 10, 2023

Version   1.0

Please note:

The XDD checker tool is only available to third-party POWERLINK device manufacturers through B&R (www.br-automation.com). Further distribution is prohibited.

I Versions

Version	Date	Comment
1.0	2023-05-10	First Edition

Table 1: Versions

II Table of Contents

1 Introduction

The XDD checker is a tool for validating POWERLINK XDD and openSAFETY OSDD files. This manual provides instructions on how to use the tool.

2 System requirements

To be able use the tool, a Java Runtime Environment (JRE) must be installed. Please note that free and paid versions of a JRE are available. It is up to the user to choose an appropriate version. In some cases, a restart may be necessary after installation before a JRE can be used.

3 XDD / OSDD input files

The tool can process XDD files with the extensions *.xdd, *.XDD, *.xosdd, and *.XOSDD files.

4 Syntax

To invoke the tool, open the command prompt (cmd) and navigate to the directory where the tool is located. Enter the following command:

```
java -jar device_description_check.jar [input_file]
```

5 Parameters

[input_file]: The XDD file to be validated. This file should have one of the following extensions: *.xdd, *.XDD, *.xosdd or *.XOSDD.

6 Examples

```
X:\>java -jar device_description_check.jar 0100006C_X20BC0083.xdd
```

If you do not specify an XDD file, the tool will output its syntax.
```
X:\>java -jar device_description_check.jar
POWERLINK XDD and openSAFETY OSDD Device Description Checker - 1.0.1-20230428-jre-1.8
Tool Usage:
java -jar device_description_check.jar [input_file]
XDD / OSDD Input Files:
*.xdd, *.XDD, *.xosdd, *.XOSDD
```

7 Notes

After successfully checking the file, the tool will generate a *.html file in the same directory with the same name as the file used for testing.

8 Version notes

1.0.1-20230428-jre-1.8

9 Distributed files

- *device_description_check.jar*
  The XDD Checker test tool.
- *XDD_Checker_User_Manual_v1.0.pdf*
  This file, the user manual for the XDD Checker test tool.