



# Product Specification

*Release 0.1*

**url.org**

07 October 2016

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**Acknowledgements**

We would like thank the many individuals and companies that contributed to the development this specification through writing, technical discussions and reviews.

Table 1: Revision History

Revision	Date	Description
ProdSpec 0.1	today	no description

## INTRODUCTION

### 1.1 Purpose and Scope

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This specification, the Product Specification (ProdSpec), Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

This specification is targeted towards the requirements of embedded systems. An embedded system typically consists of system hardware, an operating system, and application software that are custom designed to perform a fixed, specific set of tasks. This is unlike general purpose computers, which are designed to be customized by a user with a variety of software and I/O devices. Other characteristics of embedded systems may include:

- a fixed set of I/O devices, possibly highly customized for the application
- a system board optimized for size and cost
- limited user interface
- resource constraints like limited memory and limited nonvolatile storage
- real-time constraints
- use of a wide variety of operating systems, including Linux, real-time operating systems, and custom or proprietary operating systems

#### Organization of this Document

- Chapter 1 introduces the architecture being specified by ProdSpec.
- Chapter 2 specifies the 2nd chapter.
- Chapter 3 describes the 3rd chapter.
- Chapter 4 specifies the 4th chapter.

#### Conventions Used in this Document

The word *shall* is used to indicate mandatory requirements strictly to be followed in order to conform to the standard and from which no deviation is permitted (*shall* equals *is required to*).

The word *should* is used to indicate that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others; or that a certain course of action is preferred but not necessarily required; or that (in the negative form) a certain course of action is deprecated but not prohibited (*should* equals *is recommended that*).

The word *may* is used to indicate a course of action permissible within the limits of the standard (*may* equals *is permitted*).

## 1.2 Definition of Terms

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**WORD2** Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

## CHAPTER 2

### 2.1 Overview

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### 2.2 Requirements

#### 2.2.1 requirement 1

Requirement: `requirement1`

Requirement type: `functional`

Description:

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## CHAPTER 3

### 3.1 Overview

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### 3.2 Requirements

#### 3.2.1 requirement 1

Requirement: `requirement1`

Requirement type: `functional`

Description:

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## CHAPTER 4

### 4.1 Overview

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### 4.2 Requirements

#### 4.2.1 requirement 1

Requirement: `requirement1`

Requirement type: `functional`

Description:

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