

Smartberry Webserver Demo

User Guide

Project: Smartberry Webserver Demo User Guide		created:	D. Seidl	Date	2018-01-29
		edited:	D. Seidl	Date:	2018-01-29
		approved:		Date:	
Filename:	Smartberry_Webserver_Demo--User_Guide.docx				
Arrow Central Europe GmbH		Version:	1.0 working	Page 1 of 4	

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1. Revision History

The revision history describes the changes that were implemented in the document. The changes are listed by revision, starting with the most current publication.

1.1 Revision 1.0

Revision 1.0 is the first publication of this document.

2. Getting Started

2.1 Prerequisites

To run the Webserver Demo on the Smartberry Development Board the following items are necessary.

Item	Quantity
Smartberry Development Board	1
Cat 6 Network Patch Cable	1
USB 2.0 A male to Micro-USB B cable for Programming / Power / Debug interface to PC	1
Free one-year Libero Gold software license	1

Note: The Smartberry Development Board offers an on-board FlashPro5 programmer, which can be used to program and debug with Identify, SmartDebug and embedded application software using SoftConsole.

2.2 Run Demo

The Smartberry Webserver Demo is inspired by the Microsemi DG0472 Demo Design for the Smartfusion Advanced Development Kit.

All basic instructions described in the DG0472 User Guide are also valid for the Smartberry Webserver Demo. There are only a few differences:

- The Programming File “smartberry_webserver.stp” in folder “Smartberry_Webserver/designer/SB/export” only contains the fabric part. To run the Design a Softconsole Debug Connection is required (as described in DG0472 Appendix 6). The complete ready to use Softconsole Project comes with the design files
- In contrast to the DG0472 there is no TFTP-Demo Design
- The demo design operates with a fixed IP-Address of 192.168.130.165 and a Gateway Address of 192.168.130.10. To modify the addresses see file “main.c” Lines 271 and 272. (one can activate a DHCP Mode with defining symbol “NET_USE_DHCP” in compiler settings, analog to Appendix 5 in DG0472)
- The demo design contains no HyperTerminal echo functionality. The blinking LED feature controls the to onboard LEDs (red, green) and the onboard RGB-LED