



Author: Pontus Oldberg

Contents

Introduction.....	3
Installing/Expanding the archive.....	3
The content of the archive.....	3
How do I build the project ?.....	3
Finally.....	4
Literature.....	4
LIFE SUPPORT POLICY.....	5



Short Info SI-01

Get started with uIP0.9 and the IP Avenger
Rev. B

(This page was intentionally left blank)

Introduction

This document briefly describes what the archive Standard_uIP09.zip contains and how you should use it together with the development environment and the IP Avenger. This document applies to the uIP distribution revision B.

Installing/Expanding the archive

The first thing you need to do after downloading the archive is to expand it to a place where you will be working with the files. For the sake of our explanation we assume you are using k:\data\uiP.

The content of the archive

The archive contains the uIP TCP/IP stack. In the root (k:\data\uiP) you will find the basic uIP files with a web server that has been adapted to compile with the SDCC compiler. These files will compile correctly and create a binary for download to the IP Avenger. There is also a project file (uip09.wsp) for use with the integrated development environment from Silabs.

How do I build the project ?

The project is configured by a header file called system.h. This file controls what IP Avenger system the files should be built for. A few other aspects of the system can also be set in this file. Please have a look in the file for closer information. You will need to specify the system you are working on, IET912X is set by default.

To build this project you need to have Silabs IDE installed (Version 2.5 or later) and the SDCC compiler configured properly in the tool chain configuration. We used SDCC compiler version 2.5.5 to build the system.

Due to limitations in the Silabs IDE you need to make some changes in the project file before going ahead and launching the IDE. These are the necessary steps.

1. Open the uip09.wsp file in Notepad.
2. Perform a Search and Replace on all occurrences of "c:\data\uiP" and replace it with the location of your work directory, for instance K:\data\uiP.
3. Save uip09.wsp overwriting the old file.
4. You can now close Notepad and start Silabs IDE.
5. Load uip09.wsp with Open Project in the Project menu.

Press F7 to build your project. When the build process is complete, press connect and download to download the code to FLASH memory. When this is done press Run to start the program.

Voila, the system is up and running.



Finally

The supplied code should compile nicely on your system but no claims are made to its efficiency. It is up to you to optimize the code and make it run smoothly on your system.

We wish you all the best of luck in your endeavours and should you need any assistance you can log into our support forum to meet up with designers from all over the world or you can contact us directly. Contact information can be found on our website.

Literature

IET902X-DK1 Development Kit Users Manual

IET902X Datasheet



LIFE SUPPORT POLICY

INVECTOR'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PRESIDENT OF INVECTOR EMBEDDED TECHNOLOGIES.

As used herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury to the user.
2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

NOTES: