

# **Megawin**

# **MG84FL54B Development**

# **Kit**

## **Read Me**

## MG84FL54BD\_DK\_v1.41

### 1. Description

There are seven directories in this packet, **(1) DataSheet, (2) Hardware, (3) EasyPOD, (4) EasyCOM, (5) Software Application, (6) DFU, (7) Reference Design** and **(8) Data Base for Keil**. Describing the directory functions are as following:

- 1.1. **DataSheet:** MG84FL54B\_short\_form.pdf and MG84FL54B\_A1.pdf are inside.
- 1.2. **Hardware:** There are MG84FL54BD Evaluation Stick user manual and Application circuit inside.
- 1.3. **EasyPOD v1.06:** It's a sample code for USB data bridge. User could use it as an USB connection and data transfer without any USB knowledge or concern about it. The firmware library name EasyPOD.lib, provides the interface for MCU to read/write data to USB host. Please reference the **FW\_SampleCode** and **UserManual** folders to know how to use the library.
- 1.4. **EasyCOM v1.08:** It's a sample code for USB to COM bridge. It provides user a virtual COM port through USB connection. Also the firmware library name EasyCOM.lib, offers the interface for MCU to read/write data to USB host. Please reference the **FW\_SampleCode** and **UserManual** folders to know how to use the library. This device needs an INF file in Windows 2K/XP/Vista, and instruction under Linux. Please check the **Driver** folder for more detail information.
- 1.5. **Software Application:** It's a demonstrate software AP for EasyCOM and EasyPOD in Windows and Linux OS. Please reference the **UserManual**. AP source code and Library (DLL) are in the sub-directories labeled as the functional name.
- 1.6. **DFU v1.11:** This is a software tool name DFU.exe. It performs the Device Firmware Upgrade through USB. User could use this tool on "MG84FL54B Evaluation Stick" to upgrade the MCU firmware code or change the MG84FL54B MCU behavior, such as between EasyCOM and EasyPOD, or other functions. By the way, the user manual, AP source code and Library (DLL) are in the sub-directories labeled as the functional name.
- 1.7. **Reference Design:** There are some firmware sample codes in this directory. Reference it and get some touch on how the EasyCOM and EasyPOD library work, and how to transfer data between the MCU peripheral (SPI/UART/TWIS/IO) with PC.
- 1.8. **Data Base for Keil:** It is an executable file to install the MG84FL54BD data base into Keil environment

## 2. Revision History

Revision	Description	Date
v1.10	Initial version	2008/06/30
v1.20	Change the directory format of this Development Kit	2008/12/29
v1.30	<ul style="list-style-type: none"><li>● Up data the EasyPOD and EasyCOM library</li><li>● Add a folder of “ Data Base for Keil “</li></ul>	2009/07/6
v1.40	<ul style="list-style-type: none"><li>● The BCB source code for Windows Software Application is available</li><li>● The Software Application and driver for EasyCOM in WinCE system are available.</li><li>● The C# Library for DFU and Windows Software Application is available</li></ul>	2009/10/2
v1.41	<ul style="list-style-type: none"><li>● Updata folders content of “(5) Software Application”</li><li>● Updata folders content of “(6) DFU”</li><li>● Updata folders content of “(7) Reference Design”</li><li>● Updata folders content of “(8) Data Base for Keil”</li></ul>	2016/08/15