

MCS7810 Product Introduction

Revision 0.10
Mar. 7rd, 2012

Revision History

Revision	Date	Description
0.10	2012/03/07	Preliminary release

Table of Contents

1. Introduction	4
2. Block Diagram	5
3. Selection Guide	6
4. Ordering Information	7
5. Related Technical Archives	8

List of Figures

Figure 1. Block Diagram	5
Figure 2. Selection Guide	6
Figure 3. Ordering Information	7
Figure 4. MCS7810 Demo Board	7
Figure 5. Related Technical Archives	8
Figure 6. Technical Archives Availability Type	8

1. Introduction

The MCS7810 is a USB 2.0 to Serial Port device. It has been developed to connect a wide range of standard serial devices to a USB host.

The following URL provides detailed online resource of ASIX Electronics I/O Connectivity USB bridge solutions: (Refer to <http://www.asix.com.tw/products.php?op=ProductList&PLine=74&PSeries=109>.)

This Application Design Note applies specifically to the following MCS7810 USB 2.0 to Serial controller.

[MCS7810](#) – USB 2.0 to Serial Controller

This document provides an overview of MCS7810 USB 2.0 to Serial Controller product.

2. Block Diagram

The following is MCS7810 block diagram,

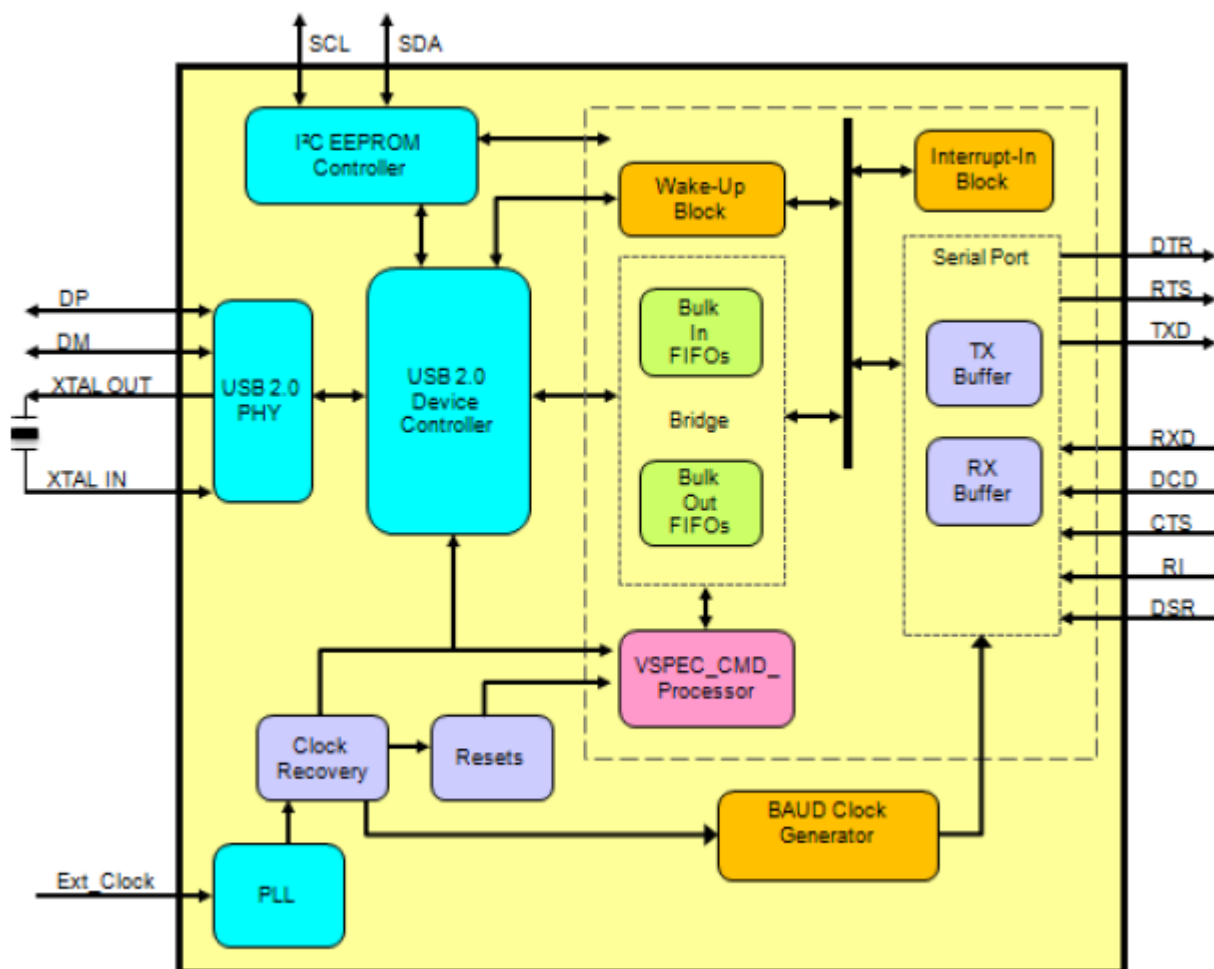


Figure 1. Block Diagram

3. Selection Guide

The following is the selection guide of ASIX Electronics I/O Connectivity USB bridge family for different requirement applications. Please visit ASIX Electronics I/O Connectivity USB bridge solutions web pages

<http://www.asix.com.tw/products.php?op=ProductList&PLine=74&PSeries=109> and contact ASIX's Sales (sales@asix.com.tw) for details.

Part No.	USB Speed	Ethernet	Serial	Parallel	IrDA	Temp Range (°C)	Package
MCS7832	2.0	1-port	-	-	-	0 ~ +70	LQFP-64
MCS7830	2.0	1-port	-	-	-	0 ~ +70	TQFP-80/ LQFP-128
MCS7840	2.0	-	4-port	-	-	0 ~ +70	LQFP-64
MCS7820	2.0	-	2-port	-	-	0 ~ +70	LQFP-48
MCS7810	2.0	-	1-port	-	-	0 ~ +70	LQFP-48
MCS7780	1.1	-	-	-	1-port	0 ~ +70	SSOP-28
MCS7720	1.1	-	2-port	-	-	0 ~ +70	QFP-48
MCS7715	1.1	-	1-port	1-port	-	0 ~ +70	QFP-48
MCS7705	1.1	-	-	1-port	-	0 ~ +70	QFP-48

Figure 2. Selection Guide

4. Ordering Information

The following are the ordering information of MCS7810 silicon and MCS7810 demo board. Please contact ASIX's Sales (sales@asix.com.tw) for more details.

Part Number	Description
MCS7810CV-AA	48 PIN, LQFP Package, Commercial Grade Temperature Range 0°C to +70 °C (Green, Lead-Free)

MCS7810 Demo Board	Description
MCS7810 Demo Board	This is a USB 2.0 to Serial adapter for MCS7810 USB 2.0 to Serial application

Figure 3. Ordering Information

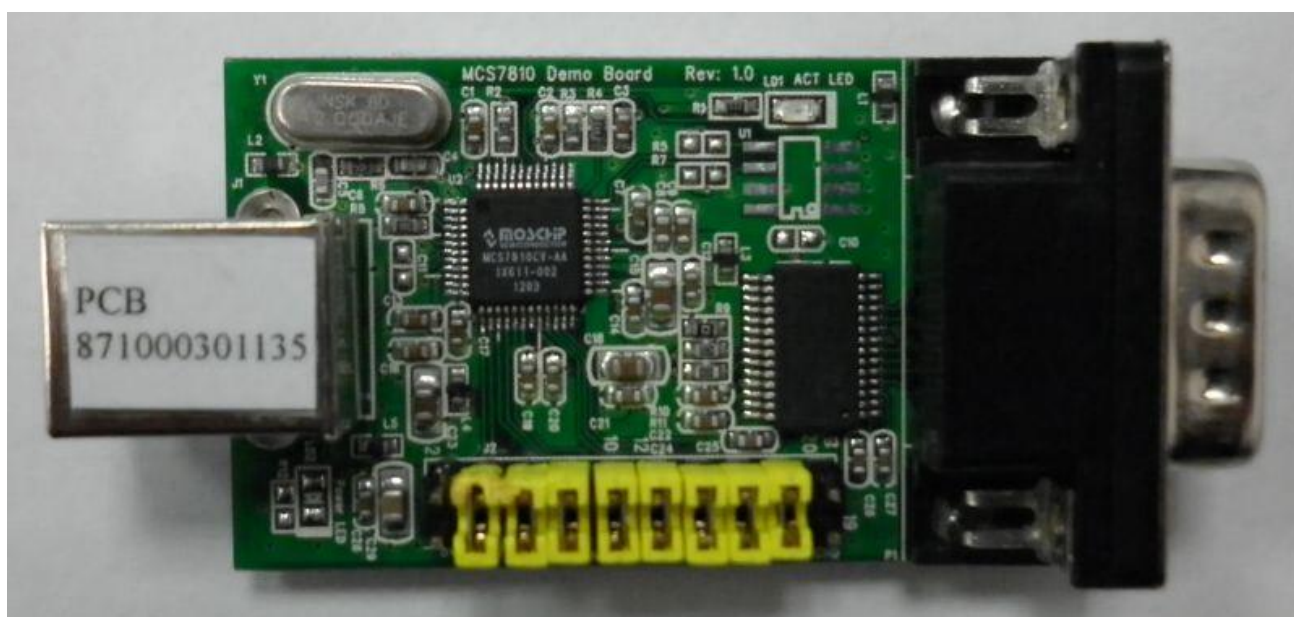


Figure 4. MCS7810 Demo Board

5. Related Technical Archives

The following are MCS7810 related technical archives list for your reference. Please contact ASIX's Sales (sales@asix.com.tw) for more details.

MCS7810 Technical Archives	Type	Availability*
MCS7810 Product Introduction	Document	This document
MCS7810 Product Brief	Document	Public Release
MCS7810 Demo Board Reference Schematic	Schematic	Public Release
MCS7810 Datasheet	Document	MyASIX Membership
MCS7810 Demo Board PCB file	PCB	MyASIX Membership
MCS7810 Demo Board Gerber files	Gerber	MyASIX Membership
MCS7810 Demo Board BOM File	BOM	MyASIX Membership
MCS7810 PCB Layout Guide	Document	Contact ASIX Sales
MCS7810 Windows 7/Vista/XP 64-bit Driver	Driver	Contact ASIX Sales
MCS7810 Windows 7/Vista/XP/2000 32-bit Driver	Driver	Contact ASIX Sales
MCS7810 Linux/Android Drivers	Driver	Contact ASIX Sales
MCS7810 Apple Mac OSX 10.7 to 10.4 Driver	Driver	Contact ASIX Sales
MCS7810 Windows Diagnostic Test Tool	Utility	Contact ASIX Sales

Figure 5. Related Technical Archives

Availability Type	Description
Public Release	Please download the technical archives from MCS7810 product web page directly.
MyASIX Membership	Please register MyASIX membership from MyASIX register web page (http://www.asix.com.tw/RegLogin.php?mod=thisis) first and then download the technical archives from MCS7810 product web page .
Contact ASIX Sales	Please contact ASIX's Sales (sales@asix.com.tw) for more details.

Figure 6. Technical Archives Availability Type



**4F, No.8, Hsin Ann Rd., Hsinchu Science Park,
Hsinchu, Taiwan, R.O.C.**

TEL: +886-3-5799500

FAX: +886-3-5799558

Email: support@asix.com.tw

Web: <http://www.asix.com.tw>