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FAC	J / Application Note	
Subject : How to use SF100 flash BIOS o	n EQM-CDV	
FAQ Document No: YXXXXX	Date: 2013/07/26	
Model Name. EQM-CDV	Rev. A1	
Category: General H/W S/W Other	rs, <u>setting</u>	
Purpose : Help customer to program BIOS file to SPI fla	ash chip.	
Prepare a PC and install "DediProg Engine 1, plug SF100 to your PC	eering" on your PC.	
2, install AP (driver included)		
DVD RW 磁碟機 (H:) 我的	〕光碟 ▶	•
七石葉		
	名稱	
	▲ 目前在碟片的檔案 (12)	
	🕞 SF5.3.2.09.msi	
3, open device manager, install driver of DediP	rog manually	
Find driver at folder named "WinUsbDrvier"	in DVD ROM	
4, there will be the device named "DediProg SF 軟碟機控制卡 回 令 通用序列匯流排 Generic USE Generic USE	^E Programmer driver" shown in de ^r 非控制器 ^{I Programmer driver} 3 Hub 3 Hub	vice manager.

- Generic USB Hub
 Intel(R) 82801G (ICH7 Family) USB Universal Host Controller 27C8
 Intel(R) 82801G (ICH7 Family) USB Universal Host Controller 27C9
- 5, there will be a shortcut show on program file and desktop.

🧰 DediProg	•	🛅 SF100 🔸	📃 DediProg Engineering
🛅 RTD Customer Tool	•		DediProg Help
🛅 Avalue	•		🚊 DediProg Production
🛅 BMP	•		🔲 Dpcmd



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Set up EEV-Q701

1, Remove AT jumper on **JFPT1**, changing the board to ATX mode.



*Default

2, Confirm the jumper on JBIOS1, make sure EEV-Q701 loads the BIOS file on EQM module

2.3.7 Module/Carrier BIOS selector (JBIOS1)



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WWW P HI



3, offer power to EEV-Q701



Connect SF100 to EEV-Q701

A, find a pin-to-pin cable, you can use the USB cable that in avalue cable kit (e.g. ECM-CDV cable kit)



B, plug pin-to-pin cable on SP100, confirm Pin1 is correct



C, plug pin-to-pin cable on EEV-Q701 JSPI1, confirm Pin1 is correct

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2.3.23 SPI connector (JSPI1)



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]
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]
Signal	PIN	PIN	Signal
Signal +3.3∀	PIN 1	PIN 2	Signal GND
Signal +3.3V CS#	PIN 1 3	PIN 2 4	Signal GND CLK_C
Signal +3.3V CS# SO_C	PIN 1 3 5	PIN 2 4	Signal GND CLK_C SI_C
Signal +3.3V CS# SO_C HOLD#	PIN 1 3 5 7	PIN 2 4 6 8	Signal GND CLK_C SI_C NC



Flash procedure

- 1, execute "DediProg Engineering" on your PC
- 2, when it shows up the W25Q16 chip ID was recognized, please press "OK"

Memory Type Ambiguity	×
By reading the chip ID, the chip applies to:	
W25Q16	
S25FL016K	
ОК	

3, In "DediProg Software 5.3.2.9"

A, press "File" to find the BIOS file you are going to flash on EQM-CDV

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Detect File	OØVerifyØOBlankEraseProgVerifyBatchEditConfig
Currently working on: Currently working region:	Application Memory Chip 1 Application Memory Chip 2 Update Stand Alone Project Region 1 Region 2 Region 3 Region 4 Region 5
(1) 2013-Jul-26 14:54:4 (1) 2013-Jul-26 14:54:4 (1) 2013-Jul-26 14:54:4 (1) 2013-Jul-26 14:54:4 (1) 2013-Jul-26 14:54:4 (1) 2013-Jul-26 14:54:4 (1) 2013-Jul-26 14:58:2	Load File Image: Second se
	Truncate file to fit in the target area. OK Cancel

B, press "Batch", it will erase BIOS in SPI chip (W25Q16), and program new BIOS file in "W25Q16"

2	DediPro	g Software	5.3.2.9						
Fib	e <u>V</u> iew	<u>H</u> elp						1	
	• Detect	eee File	O Blank	() Erase	Prog	√ Verify	😿 Batch	Edit	() Config

5, after finish BIOS program, please

- 1, remove the cable on **JSPI1**,
- 2, add the jumper back to JFPT1, set system as AT mode.
- 6, power on EQM-CDV

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