## Application Note

# **Upgrading Firmware of EZP-250**

Version 1.0 2009-09-02



Sollae Systems Co., Ltd. http://www.sollae.co.kr

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### **1** Firmware Upgrade

### 1.1 Introduction

Downloading F/W of EZP-250 can be implemented via its serial port. All the firmware of ezTCP products line has been changing for adding useful options or fixing some bugs. So, we recommend that download and use the latest released firmware.

This document is based on EVB interface.

### 1.2 Firmware Upgrade

#### 1.2.1 Preparation

Insert EZP-250 into the evaluation board (EVB). And connect a serial cable to PC's COM port and Power it on.

#### 1.2.2 Run pflash

Run pflash.

pflash is software for sending F/W file through serial.

EZP-	-200/250	pflash	v2,1c	- U ×
<u>A</u> ction	<u>S</u> ettings	A <u>b</u> out		

Fig 1-1 Initial window of pflash

J

#### 1.2.3 Configuring Port

• Disconnect the default serial connection with [Action] -> [Disconnect].

📴 EZP-200/250 pflash v2, 1	c _ 🗆 🗙
Action Settings About	
<u>C</u> onnect Shift+PgUp	
<u>D</u> isconnect Shift+PgDn	
<u>D</u> ownload Shift+F1	
E <u>x</u> it	

Fig 1-2 Disconnecting default connection

• Set as the following with [Settings]. And Select COM port as your environment. In this example, COM8 is used. You should select a COM port which you use.

S	Serial Port Setting			
[	- <u>M</u> ormal communication ———			
	<u>P</u> ort:	C0M8 -		
	<u>B</u> aud Rate:	115200 💌		
	<u>D</u> ata Bits:	8 🔻		
	P <u>a</u> rity:	None 💌		
	<u>S</u> top Bits:	1		
	_ <u>I</u> nstallation Baud Rate			
C 115200				
	Ok Cancel			

Fig 1-3 Window of Setting

• Open COM port with [Action] -> [Connect]



Fig 1-4 Opening COM port

- 1.2.4 Selecting a Firmware
  - Select a firmware to download with [Action] -> [Download] -> [...]

EZP-200/250 pflash v2.1c Action Settings About		<u>_   ×</u>	
Action Settings About	55 reset button EZP-200 or EZP-250!		
Look	jn: 🞯 Desktop		<u>.</u>
My Recent Documents Desktop My Document	My Documents My Computer My Network Places Wolo View Express 한 한글판 AutoCAD 2002 an English_app English_Manual ezTCP manuals AddeRdr910_Lite_en_U5-9.1.0.29 Cicieh10en_v20 Wezcfgmp	© ezConfig PecConfig-090624 ezConfig10_090728 ezManager © ezP2006re config10_090728 © ezP2006r_v15 © ezp250en_v15 © ezp250en_v16 © ezU32A © hotflash16e III IPManager pflash ♥ pflash_v21b	∰_ Tera Ter ⊡ uflash ॡ wflash_∖
My Computer			<u> </u>
My Network Places	File name: EZP30GFE   Files of type: BIN File (".")   Open as read-of		<u>O</u> pen Cancel

Fig 1-5 Selecting a firmware file

### 1.2.5 Resetting EZP-250

• If user presses the Reset switch, the firmware will be downloaded automatically.

Install		×		
P	Press reset button on EZP-200 or EZP-250!			
File Na	File Name:			
Z:WeztcpW2.firmwareW3.ATMegaWez				
		_		
,	Cancel			

Fig 1-6 Reset

EZP-200/2	50 pflash v2	2, 1c	
<u>Action</u> <u>S</u> etting	js A <u>b</u> out		
100 HVR/64,E2P-2	Install	×	
200 SEND 56K 0100	P	Downloading program to EZP-250!	
	File Na	ame:	
	Z:\#eztcp\2.firmware\3.ATMega\ez		
		Cancel	

Fig 1-7 Progressing download



• If the following messages are shown in the main window of pflash, the downloading would have been completed.

📴 EZP-200/250 pflas	sh v2,1c	
Action Settings Abo 100 AVR/64,EZP-250 BOOT	UT LDR 10 SOLLAE SYSTEMS	
p 60 200 SEND 56K 102 CRC 0K 101 PGM 0K HZ\$V≘		
	EZP-200/250 pflash v2,1c 🛛 🗶	
	Install Success!	
	[[]	

Fig 1-8 Successful download



# 2 Revision History

Date	Version	Description
2009.09.02	1.0	Created

