## 如何使用 ZyNOS console Debug mode 上傳 ROM file

使用方式請參照以下步驟:

**步驟 1.** 設備接上 console 線至電腦上,首先請先安裝 Tera Term 軟體,安裝完成後 需先在 Tera Term 上方視窗 Setup-> Serial port 中設定所需相關設定(Port 的選擇 依電腦有所不同)。

Tera Term: Serial port setup				
<u>P</u> ort: Baud rate:	COM3 -	ОК		
 Data:	8 bit 🔹	Cancel		
P <u>a</u> rity:	none 💌			
<u>S</u> top:	1 bit 🔹	<u>H</u> elp		
Elow control:	none 💌			
Transmit delay	V <u>c</u> har 0 ms	ec/ <u>l</u> ine		

步驟 2. 設備重開機後,馬上按下電腦鍵盤上"Esc"鍵使設備進入 Debug mode。

🛄 Tera Term - COM3 VI	_ 🗆 🛛
<u>File E</u> dit <u>S</u> etup C <u>o</u> ntrol <u>W</u> indow <u>H</u> elp	
Bootbase Version: V1.08   07/04/2005 11:42:54 RAM:Size = 64 Mbytes DRAM POST: Testing: 416K OK DRAM Test SUCCESS ! FLASH: Intel 128M	
ZyNOS Version: V4.00(XE.2)   05/10/2007 09:03:11	
Press any key to enter debug mode within 3 seconds.	
Enter Debug Mode	
ZyWALL 70> _	
	~



## **步驟 3.** 輸入"**atba5**"此指令,目的是將 console speed 改為 115200 模式。

🛄 Tera Term - COM3 VI	
<u>File Edit Setup Control Window H</u> elp	
Bootbase Version: V1.08   07/04/2005 11:42:54 RAM:Size = 64 Mbytes DRAM POST: Testing: 416K OK DRAM Test SUCCESS ! FLASH: Intel 128M	~
ZyNOS Version: V4.00(XE.2)   05/10/2007 09:03:11	
Press any key to enter debug mode within 3 seconds.	
Enter Debug Mode	
ZyWALL 70> atba5 ERROR	
ZyWALL 70> ZyWALL 70> atba5 Now, console speed will be changed to 115200 bps	
ок -	~

## 步驟 4. 更改 Tera Term 的 console speed 改為 115200 模式。

Tera Term: Serial port set	up	
<u>P</u> ort:	СОМЗ 💌	ОК
<u>B</u> aud rate:	115200 🔻	
<u>D</u> ata:	8 bit 💌	Cancel
P <u>a</u> rity:	none 🔹	
<u>S</u> top:	1 bit 💌	<u>H</u> elp
Elow control:	none 💌	
Transmit delay	char <mark>0 msec</mark>	/line



步驟 5. 更改完成後,輸入"atlc"此指令,準備使用 XMODEM 上傳 ROM file。

🛄 Tera Term - COM3 VI	×
<u>File Edit Setup Control Window H</u> elp	
FLASH: Intel 128M	^
ZyNOS Version: V4.00(XE.2)   05/10/2007 09:03:11	
Press any key to enter debug mode within 3 seconds.	
Enter Debug Mode	
ZyWALL 70> atba5 ERROR	
ZyWALL 70> ZyWALL 70> atba5 Now, console speed will be changed to 115200 bps	
ок	
ZyWALL 70> ZyWALL 70> ZyWALL 70> ZyWALL 70> atlc Starting XMODEM upload (CRC mode) CC_	

**步驟 6**.在 Tera Term 上方的 File ->Transfer->XMODEM->Send 中選取所需上傳 的 ROM file。

Tera Term: XMODEM Send	? 🛛
搜尋位置(I): 🦳 400XE2D0 🔽	← 🗈 💣 •
<ul> <li>■ 400XE2D0</li> <li>■ 400XE2D0.rom</li> </ul>	
檔案名稱(N): 400XE2D0	開啓(0)
檔案類型(I): all	取消
	說明( <u>H</u> )
Option Checksum C <u>C</u> RC C 1 <u>K</u>	



## **步驟 7.**上傳 rom file 中。

🛄 Ter	a Term - COM3 VI		
<u>File</u>	dit <u>S</u> etup C <u>o</u> ntrol	<u>W</u> indow <u>H</u> elp	
FLASH:	Intel 128M		
ZyNOS V	Version: V4.00(XE.)	2)   05/10/2007	09:03:11
Press a	Tera Term: XMOI	DEM Send	×
Enter ( ZyWALL ERROR ZyWALL	Filename: Protocol: Packet#:	400 ×MO	XE2D0.rom DEM (CRC) 376
ZyWALL Now, co OK ZyWALL ZyWALL	Bytes transf	Cancel	48128
ZyWALL ZyWALL Startin CCCCCCC	70> 70> atlc ng XMODEM upload (1 CCCCCCCCCCCCCCC	CRC mode)	
步驟	<b>8.</b> 完成上傳。		
🔛 Ter	а Тегт - СОМЗ VI	ſ	
<u>File</u>	dit <u>S</u> etup C <u>o</u> ntrol	<u>W</u> indow <u>H</u> elp	
ZyWALL ERROR	70> atba5		
ZyWALL ZyWALL Now, c <sup>,</sup>	70> 70> atba5 onsole speed will	be changed to	115200 bps
ОК			
ZyWALL ZyWALL ZyWALL Startin CCCCCC Total	70> 70> 70> 70> atlc ng XMODEM upload ( CCCCCCCCCCCCCCC 393216 bytes rece	CRC mode)	
Erasin	g		
ок			

**步驟 9.** 輸入"atgo"此指令,並將 console speed 改回原 9600 模式



www.zyxel.com.tw			<b>y</b>
🛄 Tera Term - COM3 VT			
<u>File E</u> dit <u>S</u> etup C <u>o</u> ntrol <u>V</u>	<u>I</u> indow <u>H</u> elp		
ок			<u>^</u>
ZyWALL 70> ZyWALL 70> ZyWALL 70> ZyWALL 70> Starting XMODEM upload (CR CCCCCCCCCCCCCCCCCCCC Total 393216 bytes receiv	C mode)		
Erasing OK			
ZyWALL 70> atgo (Compressed) Version: RAS zw70w, s Length: C7A8CC, Check Compressed Length: 31	tart: 5012c030 sum: 3495 D151, Checksum: 061F		
Console speed will be chan	ged to 9600 bps		
_			
Tera Term: Serial port se	tup	$\mathbf{X}$	
Port:	СОМЗ –	ок	
<u>B</u> aud rate:	9600 💌		
<u>D</u> ata:	8 bit 💌	Cancel	
P <u>a</u> rity:	none 💌		
<u>S</u> top:	1 bit 💌	<u>H</u> elp	
<u>F</u> low control:	none 💌		
Transmit delay			
0 msec	l <u>c</u> har ∣0 ms	ec/ <u>l</u> ine	

步驟 10. 輸入設備 default password"1234"檢查是否成功進入 console 模式

🛄 Т	ета Т	erm - C	сомз тт	ť		
File	<u>E</u> dit	<u>S</u> etup	Control	<u>W</u> indow	Help	
						~
			Foter	Passmore	• ***	
			Liiter	rassmore		
						~

步驟11. 確認能成功進入 console 模式代表上傳 rom file 成功,輸入"99"離開 console 模式後,可使用 Web GUI 作相關設定。

www.zvxel.com.tw	ZyXEL
Tera Term - COM3 VI	
<u>File Edit Setup Control Window Help</u>	
Copyright (c) 1994 - 2005 ZyXEL Communications Corp.	~
ZyWALL 70 Main Menu	
Getting Started       Advanced Management         1. General Setup       21. Filter and Firewall Setup         2. WAN Setup       22. SNMP Configuration         3. LAN Setup       23. System Password         4. Internet Access Setup       24. System Maintenance         5. DMZ Setup       25. IP Routing Policy Setup         6. Route Setup       26. Schedule Setup         7. Wireless Setup       21. Static Routing Setup         11. Remote Node Setup       11. Static Routing Setup         12. Static Routing Setup       11. Setup	
99. Exit	
Enter Menu Selection Number: 99_	

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