LinCon-8x4x OS_Image Update Manual (v1.2)



1. [Software Required]:

(1) **OS_Image :** linuxnk.bin

Download Path: ftp://ftp.icpdas.com/pub/cd/I-8x4x/napdos/linux/os_image/

(2) Tftpd32 :

Download Path:

http://tftpd32.jounin.net/tftpd32_download.html

2. [Preparation Steps] :

- (1) Install Tftpd32.
- (2) COM Port : Monitor the process of update
- (3) Ethernet : Download OS_Image to the LinCon
- (4) A burning wire (Not necessary):
 - (i) Connect to the debug port of the LinCon and connect to the COM Port of

PC. This is used to see the process of OS burning(Refer to Fig.2 \cdot 3).



Fig. 2: The debug port position



(ii) Open "Hyper Terminal" of PC to monitor the process of update and the default COM port setting is 115200, 8, N, 1 (Refer to Fig.3, 4).

	COM1 Properties	? 🔀
	Part Settings	
Connection Description ? ×	Bits per second: 1115200	~
New Connection		
	Data bits: 8	~
Enter a name and choose an icon for the connection:	Parity: None	~
Name:		
i cesq	Stop bits: 1	▼
_con: 🂫 🃚 🧆 🖏 🛞 🕅	Flow control: None	~
	Restore	Defaults
OK Cancel	OK Cancel	Apply

Fig.4

Fig. 5

[Note] The debug port of LinCon is for monitor the boot status or the status of downloading OS from Ethernet. It is not necessary when downloading the OS from Ethernet.

3. [Update Steps] :

3.1 Update OS_Image :

(i) Open Tftpd32.exe and input IP Address of PC in the DHCP server page, then press Save. Once you click on the Save button, the settings are saved in the registry and the DHCP server starts affecting address on the LAN, refer to Fig. 6.

* Tel 120 L. DL L	OS image directo	ory		
👋 Impa32 by Ph. Journ				
Current Directory C:\ter	np IP addre	ss of PC	<u>B</u> rowse	
Server interfaces 10.0.	3.14	▼	Show <u>D</u> ir	
Tftp Server Tftp Client DHCP server Syslog server				
IP pool starting address	10.0.8.90	Sot the se	ma natwork as PC	
Size of pool	10	Set the sa	me network as FC	
Boot File	linuxnk.bin	c		
WINS/DNS Server	10.0.8.14	a		
Default router	10.0.8.254	Y		
Mask	255.255.255.0	e		
Domain Name	lincon			
Additional Option				
About	<u>S</u> ettings		Help	

Fig. 6

(ii) Turn off the power, then shift rotary switch to **2**. Refer to Fig.7



Fig. 7

(iii) Connect Ethernet cable to LinCon and turn on the power, and then monitor

the boot process on the terminal console of PC, Refer to Fig.8.



Fig. 8

[Note] After the update process is finished, the LinCon will reboot automatically. If the LinCon can not reply to correct IP address, and receive a message about "Sent BOOTME to 255.255.255.255", it would be a problem with or NIC chip network connection. Please try another Ethernet port.

(vi)Then shift rotary switch to **0**, and the total process is completed. Refer to Fig.9



Fig. 9

At last, the LinCon will reboot automatically after it finished all the process. So users can connect the VGA cable to LinCon and wait the boot up screen to show up.