

How to use a WindowsXP-based Development System

If the operating system of your PC-based development system is a Microsoft WindowsXP version, it is also possible to use Telnet and FTP. First check the Ethernet adapter installation of your PC and make sure, that the WindowsXP TCP/IP protocol stack is connected to the Ethernet adapter. Then check the IP address, **192.168.0.1** will be fine for the first time.

• **1. Step:** Check the TCP/IP connection between your WindowsXP-based PC and the Linux-based DIL/NetPC. Then establish a Telnet session.



Open up a WindowsXP **MS-DOS command prompt box**. You find this feature within the menu point **accessories**. Then use

ipconfig

to verify the IP address of the PC. If the **ipconfig** command shows the right IP address (**192.168.0.1**) then you can check the TCP/IP connection to the DIL/NetPC. Use

ping 192.168.0.126

for the connection check. If the connection is available, run the standard WindowsXP Telnet client program. Enter the command line

telnet 192.168.0.126

within the **MS-DOS command prompt box**. In the case of errors first check the LAN cables and then the WindowsXP TCP/IP configuration.



• 2. Step: Use the Telnet session. There are no differences to Telnet sessions with other client programs.

Telnet 192.168.0.126						_ 🗆 🗙
- SSV Embedded Linux - Version 0.05						▲
- SSU Embedded Linux - Version 0.05 emblinux login: gast Password: [gast@emblinux gast]\$ls -al / drwxr-xr-x 15 root root drwxr-xr-x 2 root root drwxr-xr-x 3 root root drwxr-xr-x 4 root root drwxr-xr-x 4 root root drwxr-xr-x 2 root root drwxr-xr-x 3 root root drwxr-xr-x 4 root root drwxr-xr-x 7 root root drwxr-xr-x 2 root root drwxr-xr-x 7 root root drwxr-xr-x 7 root root drwxr-xr-x 7 root root	480 488 1888 2048 1216 608 64 96 896 896 288 288	Aug Aug Aug Jan Aug Oct Jan Jan Jan Jan Apr Apr	$ \begin{array}{r} 6 \\ 6 \\ 1 \\ 2 \\ 1 \\ 2 \\ 6 \\ 4 \\ 4 \\ 4 \\ 4 \end{array} $	2002 2002 2001 2002 2002 2002 2000 12:00 12:00 2000 20	bin dev etc home lib lost+found mnt proc root sbin tmp usr var	
Just Comblinux gast J\$ps -A PID TTY TIME CMD 1 0.0 00:00:01 init 2 0.0 00:00:01 init 3 0.0 00:00:00 ksoftirqd_CPU0 4 0.0 00:00:00 kswapd 5 0.0 00:00:00 kdflush 6 0.0 00:00:00 kdflush 6 0.0 00:00:00 thtpd 95 0.0 00:00:00 thtpd 104 0.0 00:00:00 jffs_gcd 114 0.0 00:00:00 jin.tel 127 0.0 00:00:00 sh 133 136.0 00:00:00 ps [gast@emblinux gast]\$_ [gast@emblinux gast]\$_	3					•

• **3. Step:** Use the WindowsXP Internet Explorer to be able to access the DIL/NetPC Web server. Enter the URL:

http://192.168.0.126

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Embedded Networking	SBCs for Embedded Networking: DIL/NetPC DNP/1110					
DIL/NetPC DNP/1110	The DIL/NetPC DNP/1110 provides a very compact Intel 206 MHz SA-1110 StrongARM-based low power embedde	ed				
In-deep	controller with TCP/IP stack and web server for high-speed embedded networking applications. The DIL/NetPC offers the footming of a standard & up DIL accelet with 0.2 www.canters and all the headware and applications.					
64-pin DIL Pinout	add high-speed networking capabilities to any product design. The <i>DIL/NetPC</i> was developed specifically for products that need to be connected to 10 or 100 Mbps Ethernet-based TCP/IP networks with minimum development costs.					
	Embedded Web Server Embedded TCP/IP Ethernet Controller					
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• **4. Step:** Establish a FTP session for file transfers between your development system and the DIL/NetPC.

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Adresse (ftp://gast@192.168.0.126/home/gas	it/	🖌 🋃 Wechseln zu 🛛 Links 🎽		
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You need a FTP client program on the PC. The WindowsXP Internet Explorer can do this job. First run the Internet Explorer with the URL:

ftp://gast@192.168.0.126/home/gast/

Then open up an Explorer window. For transferring files you can move a file with drag and drop from one window (Explorer) to the other window (Internet Explorer).