

How to download a O/S Image or the GRUB Boot Loader Image

The DIL/NetPC ADNP/1520 of your Application Board MB/1520-100 offers a build-in Flash Loader utility program to download a new O/S Image File or a new boot loader image (i.e. the GRUB boot loader for AMSEL) over a RS232 serial link between the MB/1520-100 and a PC system.

- 1. Step: Setup a RS232 serial link between the MB/1520-100 and a PC system. Use a standard null-modem cable. Run a terminal (emulation) program on the PC (i.e. HyperTerminal for Windows-based PCs, minicom for Linux-based systems). Setup the line parameters to 115.200 bps, 8 data bits, 1 stop bit, no parity, no handshakes.
- 2. Step: Press CTRL-L on your PC-based terminal emulation program and power-up the MB/1520-100. Please keep the keys for CTRL-L pressed until the end of the memory sizing phase of the MB/1520-100 BIOS. After that, the DIL/NetPC ADNP/1520 of your Application Board MB/1520-100 runs the Flash Loader. If you see the Flash Loader menu, please select option 1 (*Download with YMODEM protocol*).



• **3. Step**: Select the O/S Image File or a boot loader image and start the transfer to the MB/1520-100 with the YMODEM or YMODEM-G protocol.

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Ordner: C:\Dokumente und Einstellungen\kdw\Eigene Dateiname: 20\CD-ROM\Linux\MB1520-100\GRUB\grub.img Durchsuchen)
Protokoll:
Ymodem-G
Senden Schließen Abbrechen



• **4. Step**: Wait until the YMODEM or YMODEM-G download finishes. Then press ESC for leave the Flash Loader wait state. After that please reboot the Application Board MB/1520-100 with menu **option 3** (*Reboot*).

Senden:	C:\Dokumente und Einstellungen\kdw\Eigene Dateien_ADNP1520\CD-				
Paket:	131	Fehlerprüfung:	CRC	Dateigröße:	384 KB
Wieder- holungen:	0	Wiederholungen insgesamt:	0	Dateien:	1 von 1
Letzter Fehler:					
Datei:				129K von	384K
Dauer bisher:	00:00:14	Restdauer: (00:00:27	Durchsatz:	9435 cps
				Abbrechen	cps/bps

Please note: You can reload a new O/S Image File every time if this is necessary. The process is absolute uncritical. If you download a wrong image and if this image won't boot, please return to step 2 of this document.

That's all.