

BR213IC-HL: How to debug via local network adapter

Thomas Gärtner, 02.07.2013

Beside connecting the target to IT Infrastructure of the company its possible to use a 2nd network adapter and create a small local network between PC workstation (Host) and BR213IC-Target hardware (Target).

What do you need?

- ▶ Network adapter: (recommended) Lenovo USB 2.0 Ethernet Adpater. Please ask Mr. Emich.
- ▶ Driver Win 7 (32/64): \\cw01\root\Loc\bbuv\did35324\PF3\PF3_BasicTools\Lenovo_NetworkAdapter\Win7\g6rd09ww.exe
- ▶ Driver WinXp: \\cw01\root\Loc\bbuv\did35324\PF3\PF3_BasicTools\Lenovo_NetworkAdapter\WinXp\g6ru05ww.exe
- ▶ Network cable: standard network cable

Adapter Settings

- ▶ Adapter Settings: Speed should be fixed to 100Mbit / Full Duplex
- ▶ Connection Settings: Disable all services and protocols except **Internet protocol version 4 (TCP/IPv4)**

Network Settings of 2nd Adapter (Host)

- ▶ IP-Address: 192.168.250.1 (no DHCP)
- ▶ Subnetmask: 255.255.255.0
- ▶ Gateway: 192.168.250.1
- ▶ DNS-Server: 192.168.250.1

Network Settings BR213IC (Target)

- ▶ IP-Address: 192.168.250.10 (please configure in setenv_host.bat)

Troubemaker!!!

Please disable Firewall of Windows, McAfee, etc... for local networks in case of connection problems.
The IP Settings menitoned above are valid with IC213GC_HL_E004_01.14.pre80 and following.

Space for sender information, max. two lines
(if only one line, always use the bottom line)



BR213IC-HL: How to debug via serial debug connection

Thomas Gärtner, 03.03.2014

With E007 hardware you have to use the serial connection for debugging.

What do you need?

- ▶ Serial adapter: Micro USB2Serial cable. (the same cable will be used for flashing, so it should be available already)

Serial Settings

- ▶ Setenv_Host.bat: Configure related comport. (see windows device manager)
The new E007 Hardware (ES2_2B) will identified from windows as a new target, so the old comport configuration will not work for new targets.
Please adapt Setenv_Host.bat

Troublemaker

In case windows has detected a new comport with number > 9, the GHS debugger cant open a debug session.
Please try to “overwrite” within windows device manager a comport <= 9.