

Config. program    ■ V1.01  
Firmware for BDI3000   ■ V1.29

Date: Sept. 12, 2008

## Enhancements

- Support for MPC5121 Rev.2 added (new PVR)
- Time-out when waiting for reset released increased.
- Support for GDB p - packet (single register read) added.

Config. program    ■ V1.02  
Firmware for BDI3000    ■ V1.30

Date: May 25, 2009

## Enhancements

- Support for IBM PPC750CL added.
- New Telnet command (MT) for a simple memory test added.

## Error Correction

- MPC83xx: Error when writing to the floating point registers corrected.

Config. program ☐ V1.02  
Firmware for BDI3000 ☒ V1.31

Date: Oct. 29, 2009

## Enhancements

- Download speed via GDB improved.
- MPC83xx: FPSCR Read/Write support added.
- Maximal number of software breakpoints increased to 64.

## Error Correction

- Correct GDB register packet for PPC750 (correct SPR index/offset).

Config. program    ■ V1.03  
Firmware for BDI3000    ■ V1.32

Date: March 8, 2011

## Enhancements

- GDB remote protocol: NoAckMode supported and PacketSize increased.
- Telnet hex display of floating-point registers added.

## Error Correction

- e300c1: An active/pending machine check (MC) event no longer crashes the processor during debug mode entry.

Config. program      ■ V1.04  
Firmware for BDI3000   ■ V1.33

Date: February 1, 2012

## Enhancements

- Support for Spansion S29GL-S flash added (S29GLSX16 algorithm)

## Error Correction

- MPC83xx: Error when reading TLB entries corrected. The displayed TLB content was not correct.

<b>bdiGDB</b> for BDI3000 MPC6xx/7xx/82xx/83xx	<b>Release Note</b>
Config. program      ■ V1.05 Firmware for BDI3000   ■ V1.34	Date: Sept. 21, 2012
<div data-bbox="173 320 480 365"> <h2>Enhancements</h2> </div> <div data-bbox="173 412 1485 786"> <ul style="list-style-type: none"> <li>• Support for Spansion S29VS-R flash added (S29VSRX16 algorithm)</li> <li>• The WREG init list entry now accepts all names from the register definition file.</li> <li>• The new Telnet command UPDATE allows to reload the BDI configuration and register definition file without rebooting the BDI.</li> <li>• The JTAG clock frequency can be entered in Hertz and not only as an index.</li> <li>• Maximal Telnet and GDB remote command length increased to 256 characters.</li> <li>• GDB: The BDI now answers with 1 to the GDB qAttached packet.</li> <li>• MPC83xx: The Telnet DTLB and ITLB commands support writing TLB entries.</li> </ul> </div> <div data-bbox="173 873 507 918"> <h2>Error Correction</h2> </div> <div data-bbox="173 965 1256 999"> <ul style="list-style-type: none"> <li>• A too long GDB remote command (monitor command) no longer crashes the BDI.</li> </ul> </div>	
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Config. program ☐ V1.05  
Firmware for BDI3000 ☒ V1.35

Date: July 5, 2013

## Enhancements

- Maximal number of ELF program headers increased from 32 to 64.
- Telnet Keep Alive feature added.  
After 60 seconds Telnet idle time (no prompt sent) the BDI sends a Telnet DO TIMING-MARK request. If the TCP connection is broken then after some retries the TCP/IP driver will close it. There is no need that the Telnet client sends any answer to the DO TIMING-MARK request. This implements a Keep Alive for the Telnet connection. After about 2 minutes or sooner you will be able to reconnect via Telnet to the BDI.
- The new Telnet "eprog" command automatically erases the used sectors based on the information in the ELF header (see user's manual).