

Performance BDI1000 / BDI2000

Hardware Specifications

Marks	BDI1000	BDI2000
RS232 host interface, max. baudrate	115 Kbaud	115 Kbaud
Ethernet host interface (10 Mbit/s)	10 BASE-T	10 BASE-T
BDM communication speed (max.)	5.5 Mbit/s	16 Mbit/s
JTAG communication speed (max.)	12 Mbit/s	16 Mbit/s
Supported target voltages	1.8 – 5 V	1.8 – 5 V ³⁾
Supported target systems with BDM ¹⁾	CPU12/16/32/32+ MPC5xx/8xx ColdFire	CPU16/32/32+ MPC5xx/8xx ColdFire
Supported target systems with JTAG ¹⁾	PPC4xx M-CORE ARM, XScale	PPC4xx6xx7xx82xx83xx74xx MPC85xx M-CORE ARM, XScale MIPS32/64
BDI power supply voltage	2.5 – 5 VDC or line adapter	5 VDC or line adapter
BDI power supply current (typ.)	230 mA @ 5 V	500 mA @ 5 V
Operating Temperature	+5 °C ... +60 °C	+5 °C ... +60 °C
Size (without cables)	160 x 85 x 35 mm	190 x 110 x 35 mm
Weight (without cables)	280 g	420 g
Electromagnetic compatibility (CE)	EN50081-2, EN50082-2	EN50081-2, EN50082-2

Max. Download Rates ²⁾

Target CPU	BDI1000 [Kbytes/s]	BDI2000 [Kbytes/s]
PPC405GP	80	180
MC68360	120	200
MPC860	130	320
ColdFire MCF5206e / MCF5307	100 / 100	270 / 220
M-CORE	40	60
MPC8260	-	80
ARM7TDMI	170	340
MIPS32	-	130
XScale	160	320

Programming Speed with Software bdiPro

Target Configuration		BDI1000 [Kbytes/s]	BDI2000 [Kbytes/s]
AMD 29F040 x 32 bit	MPC860 @ 50 MHz	90	170
AMD 29F016 x 32 bit	MC68360 @ 25 MHz	90	130
LH 28F016 x 32 bit	MPC8260 @ 40 MHz	-	40
AT49BV1614 x 16 bit	AT91R40008 @ 66 MHz	90	110
HC12 Internal Flash	HC9S12DP256 @ 24 MHz	33	-



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Specification subject to change without notice.

Remarks:

- 1) Depends on debugger support
- 2) Depends on used debugger and CPU speed
- 3) Rev. C only