# Emlink ICE for Blackfin

*An USB JTAG Adapter to Debug Blackfin DSP with ADI VisualDSP++*
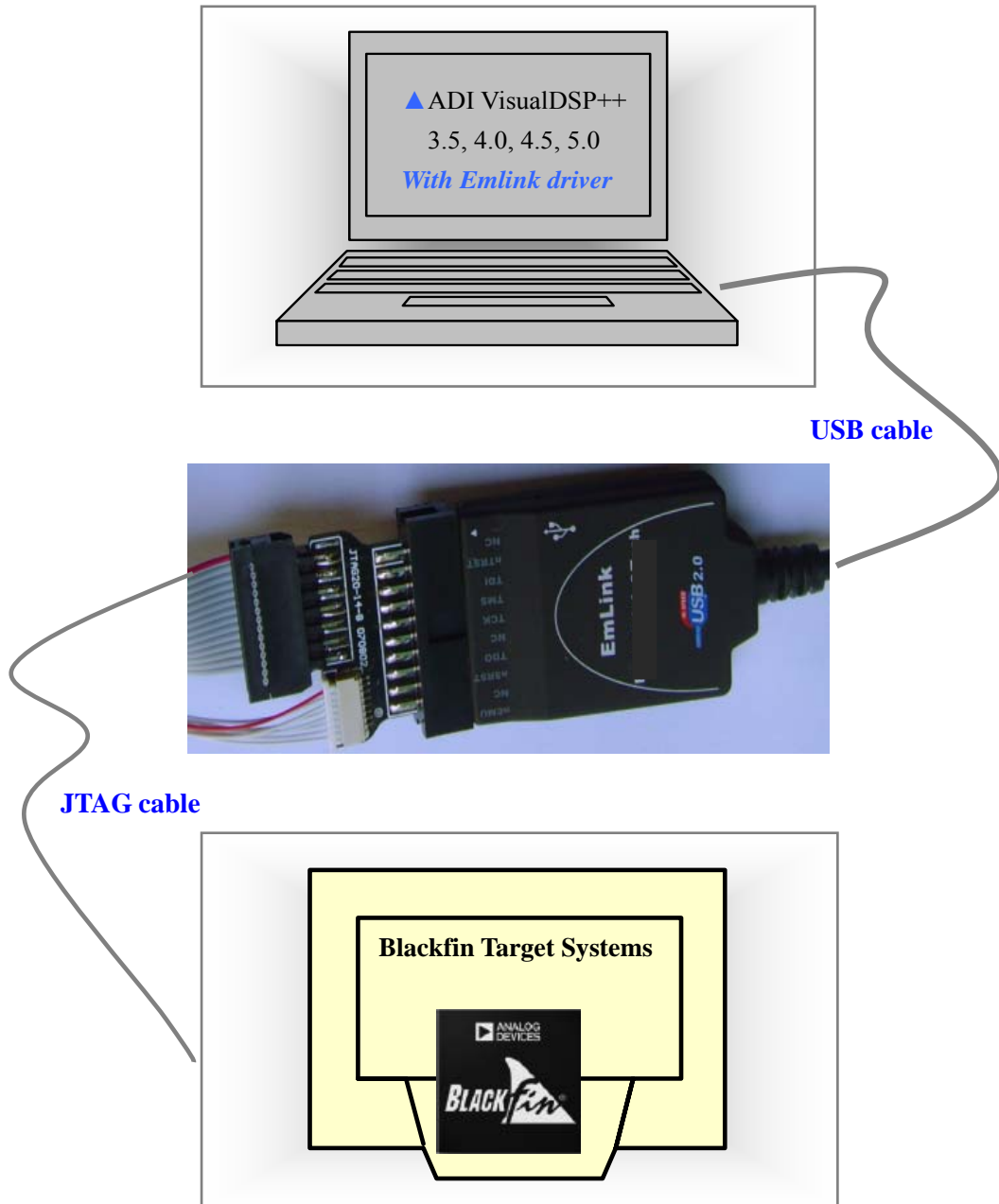
# System connection:

Diagram of Emlink and Blackfin DSP processors system connection

## Hardware Features:

† Compatible with ADI **VisualDSP++™ 3.5, 4.0, 4.5, 5.0** IDE

† Supports ADI Blackfin DSP processors:

 **BF531, BF532, BF533, BF534, BF536, BF537** etc.

† Supports to debug operation, Halt, Step, Run, Breakpoint.

† Supports **USB 2.0** protocol (compatible with USB 1.1).

† Mini and smart size: 45x32x12mm, weight only 60g.

† Power supply via USB port, without power adapter.

† JTAG port (20pins, FH2.54mm) for connecting target board.

† Downloading and debugging speed up to **200KBytes/s (1.5Mbps).**

† Supports to program on-board Flash memory.


## Software driver:

| Emlink driver for Blackfin | BF531/2/3 | BF534/6/7 | BF538/9 | BF561 | BF52x | BF54x |
|---|---|---|---|---|---|---|
| EMLINK-BH | Supported | Supported | *Not support* | *Not support* | *Not support* | *Not support* |

* Emlink driver for Blackfin should install together with ADI VisualDSP++™, which an IDE licensed by ADI.

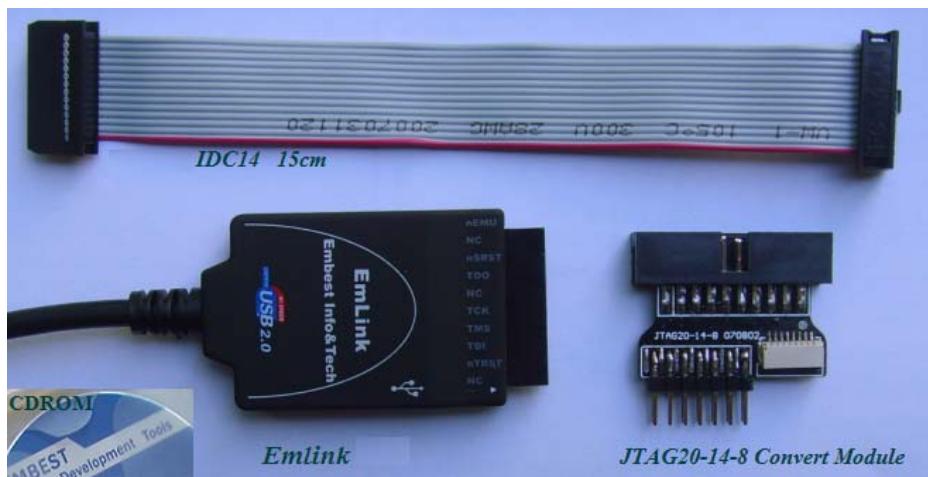* EMLINK-BH is the version name of Emlink driver for Blackfin, provided by Embest.

* 'Not support' means that current version of Emlink driver does not support these processors at now or in future.

IMPORTAN NOTES: EMLINK-BH does not support the debugging of VDK applications right now, and we do our utmost to support it as soon as possible, then customers upgrade it free via internet.


## Host Requirement

| Hardware Architecture | Operating Systems | Support Software |
|---|---|---|
| Intel x86 32-bit | Windows XP<br>Windows 2000<br>Windows Server 2003 | ADI VisualDSP++ 4.0, 4.5 or 5.0, and Blackfin processors support licenses from Analog Devices Inc. |

# Emlink for Blackfin *Package and List*

| No. | Items | Qty. | Descriptions |
|---|---|---|---|
| 1 | Emlink ICE for Blackfin | 1 | USB2.0/1.1 to PC, JTAG 20pins 1.54mm female to target system. |
| 2 | JTAG20-14-8 Convert Module | 1 | A tiny board, translate the signal JTAG 20pins to 14pins & 8pins. |
| 3 | IDC14 Cable | 1 | Pin to Pin, IDC14, 15cm |
| 4 | CDROM | 1 | Include Emlink driver installation files and user manual. NOTES: EMLINK-BH driver and user manual can also be downloaded via internet using the IP address we should e-mail you after receiving your payment. |