| Part Number                    | BSTest-S  | BSTest-L                      | BSTest-P                                     | BSTest-U             |  |
|--------------------------------|---|-------------------------------|--|----------------------|--|
| Description                    | Boundary Scan Test,   | Boundary Scan Test, Large     | Boundary Scan Test,                          | Boundary Scan Test,  |  |
|                                | Small Business Edition  | Business Edition              | Professional Edition                         | Ultimate Edition     |  |
| Operating System               | Windows XP, Windows Vista, Windows 7  |                               |  |                      |  |
| Requirement                    |   |                               |  |                      |  |
| Features                       | Use existed JTAG interface, no extra circuit needed   |                               |  |                      |  |
|                                | Support multi devices in JTAG chain   |                               |  |                      |  |
|                                | Easily integrated with manufacturing automation system: Run specified operations automatically          |                               |  |                      |  |
|                                | and silently without  |                               |  |                      |  |
| Functions <sup>1</sup>         | Detect and scan all d   | evices in JTAG chain, and     | Besides all functions supported by BSTest-L, |                      |  |
|                                | display device ID ar  | nd description if available   | also supports functions listed below:        |                      |  |
|                                | Support inter-devices   | s tests;                      |  |                      |  |
|                                | <ul> <li>Single device test;</li> </ul>   |                               | Support .svf and .vme files;                 |                      |  |
|                                | <ul><li>Manual test;</li></ul>  |                               | Peripheral device test;                      |                      |  |
|                                | Observe input p   | ins status;                   |  |                      |  |
|                                | ■ Control output  | oins to output high or low    |  |                      |  |
|                                | level, and user o   | an define complex output      |  |                      |  |
|                                | patterns;   |                               |  |                      |  |
|                                | Save/load test setting  | gs to/from file to save time; |  |                      |  |
| Licensed Items                 | <ul> <li>InterDeviceTest;ManualTest;SingleDeviceTest;</li> </ul>  |                               | Besides all licensed items of BSTest-L, also |                      |  |
|                                | CableLatticePP;CableXilinxPPIII;CableAlteraBB;Ca  |                               | licensed with below items:                   |                      |  |
|                                | bleAlteraBBMV;CableAlteraBBII; <sup>2</sup>   |                               | • ispVM;svf;JFP;                             |                      |  |
|                                | <ul> <li>CableWHUSBHiJTAG;</li> </ul>   |                               | <ul><li>CableFTDIBit;</li></ul>              |                      |  |
| Tech Support <sup>3</sup>      | One year limited support <sup>4</sup>   |                               |  |                      |  |
|                                | Help to setup 2 test  | · ·                           | Help to setup 6 test                         | Help to setup 8 test |  |
|                                | environments <sup>5</sup> environments <sup>5</sup> environments <sup>5</sup> environments <sup>5</sup> |                               |  |                      |  |
| Licenses Included <sup>6</sup> | One Copy  |                               |  |                      |  |
| License Validation 7           | One Year  | Never Expired                 | One Year                                     | Never Expired        |  |

<sup>\*</sup>Subjected to change without notice. Any question about this table, please contact us.

- 1: Input / output property of a pin depends on the DUT (Device Under Test). Testability of DUT will determine which functions are available.
- 2: 64-bit parallel port driver is not available, so we don't support parallel cable on 64-bit OS.
- 3: Installation date will be the beginning date.
- 4: Methods: Telephone, Email or IM.
- 5: All required info must be provided to setup test environment. Analysis should be paid if any info is missing. The number is sum of single device test, inter-device test, peripheral test and manual test. The total testing profiles are not limited.
- 6: One license file should be used on one computer only. Virtual machine is not supported.
- 7: Installation date will be the beginning date. Program run counter is not limited. Do not change host id and roll back system time. Never run the software when expired, otherwise hardware will be locked. "Never Expired" license may have an expiration date, and we will extend the expiration date free of charge.

<sup>†</sup>Cable not included.

## Fact Sheet

## **Revision History:**

| INC VISIOIT I IISU | o. y.   |        |   |
|--------------------|---------|--------|---|
| Date               | Version | Author | Changes   |
| 2017/12/11         |         |        | Add Note: †Cable not included.  |
| 2017/9/7           |         |        | • Add to Note 7: Do not change host id and roll back system time.   |
| 2016/9/25          |         |        | Add new part number: BSTest-P;  |
| 2016/7/9           |         |        | • Add to note 7: Never run the software when expired, otherwise hardware will be locked.  |
| 2016/5/26          |         |        | • Update note 5 with: All required info must be provided. Analysis should be paid if any info is missing.   |
| 2015/1/29          |         |        | Add new part number: BSTest-U;  |
|                    |         |        | <ul> <li>.svf and .vme only supported in BSTest-U;</li> </ul>   |
| 2014/11/11         |         |        | <ul> <li>Add feature: Easily integrated with manufacturing automation<br/>system: Run specified operations automatically and silently<br/>without clicking any button.</li> </ul>   |
| 2013/12/26         |         |        | <ul> <li>Since .vme file also applies to non-Lattice devices, and files could be used for tests other than configurations, change "Configure CPLD/FPGA through .svf files; Support .svf for Lattice's devices;" to "Support .svf and .vme files;"</li> <li>Function items of Manual Test are indented;</li> </ul> |
| 2013/8/16          |         |        | <ul> <li>Move note "" from one item to the whole functions;</li> <li>Clarify tech support date begins with installation date;</li> </ul>  |
| 2013/6/3           |         |        | First Release   |