Bluetooth™ Qualified Product Listing Notice

Applicant: Cambridge Silicon Radio
Churchill House
Cambridge Business Park
Cowley Road
Cambridge
CB4 0WZ
United Kingdom

Contact person: Mr Peter Flittner

Product name: BlueCore FW

Product type: Component - SW - Integrated

Identifier: UnifiedStack2.0EDR

Hardware version: N/A

Software versions: 20b, 21a, 21c, 21d, 21e and 21f

Bluetooth specification version: 2.0 + EDR

Description: Firmware implementing BB, LM, HCI, L2CAP, SDP, RFCOMM, SPP and GAP to the 2.0 + EDR specification for BlueCore, CSR’s single-chip CSR’s single chip solution implementation integrating a radio, baseband and microcontroller. The unified stack can be used as a full stack for embedded solutions or an HCI stack for use with an off-chip host.

Bluetooth profiles supported: GAP, Serial-DevA, Serial-DevB

Pre-tested test cases: See Annex A

HW/SW reference platform See Annex B and the Component Reference Design Application Note

This listing notice is an essential part of the Bluetooth qualification program and shows the acceptance of this component as a pre-tested Bluetooth product.

This Qualified Product Listing Notice is only valid in conjunction with Annex A and B.

I certify that the component identified above complies with the qualification requirements (as listed in Annex A) within their Covered Functionality in the reference design configuration as described in the Component Reference Design Application Note.

22nd August 2006

Date
First listed: 11/07/2005

Signed by Leslie Rowland
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Reference Number: BPS/LR/0023e Date of Issue: 22/08/2006
Annex A

1.0 Covered Functionality

   The Covered Functionality of this product is defined as follows:

1.1 Baseband as defined in Volume 2, Part B of the Specification of the Bluetooth System, Version 2.0 + EDR, including all mandatory and optional features excluding:

   SCO and eSCO links from different Masters

   The Covered Functionality above is valid under the following condition:
   Temperature range: -40°C to +105°C

1.2 Link Manager as defined in Volume 2, Part C of the Specification of the Bluetooth System, Version 2.0 + EDR, including all mandatory and optional features.

1.3 Host Controller Interface (HCI) as defined in Volume 2, Part E of the Specification of the Bluetooth System, Version 2.0 + EDR.

1.4 Logical Link and Control and Adaptation Protocol (L2CAP) as defined in Volume 3, Part A of the Specification of the Bluetooth System, Version 2.0 + EDR, including all mandatory and optional features excluding:

   Support of retransmission mode
   Support of flow control mode

1.5 Service Discovery Protocol (SDP) as defined in Volume 3, Part B of the Specification of the Bluetooth System, Version 2.0 + EDR, including all mandatory and optional features for the server and client roles.


1.7 RFCOMM with TS 07.10 as defined in part F:1 of the Bluetooth Core Specification, Version 1.1, including all mandatory and optional features.

1.8 Serial Port Profile (SPP) as defined in part K:5 of the Bluetooth Core Specification, Version 1.1 including all mandatory and optional features for the DevA and DevB roles.

2.0 Reference Documents

   Specification of the Bluetooth System, Version 2.0 + EDR
   Specification of the Bluetooth System, Version 1.1
   Test Case Reference List (TCRL), dated 1st May 2005
   Qualification Program Reference Document (QPRD), Revision 1.0
   Qualification Program Reference Document (QPRD), Addendum, Revision 1.0.1
3.0 Product Software Versions

The following software version is included in this Qualified Product Listing Notice:

- BlueCore FW UnifiedStack2.0EDR, software version 20b for use in BC4-Ext HW
- BlueCore FW UnifiedStack2.0EDR, software version 21a for use in BC4-Audio-ROM
- BlueCore FW UnifiedStack2.0EDR, software version 21c for use in BC4
- BlueCore FW UnifiedStack2.0EDR, software version 21d for use in BC4
- BlueCore FW UnifiedStack2.0EDR, software version 21e (supporting Baseband, Link Manager and HCI only) for use in BC4-ROM
- BlueCore FW UnifiedStack2.0EDR, software version 21f for use in BC4-Audio-ROM

Annex B: Hardware / software reference platform

For further information please refer to the Reference Design Application Note

Annex C: Revision History

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<th>Date</th>
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<td>11/07/2005</td>
<td>BPS/LR/0023</td>
<td>First issue</td>
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<td>09/09/2005</td>
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<td>Added software version 21a for use in BC4-Audio-ROM</td>
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