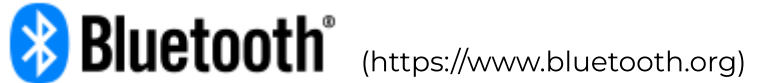


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ICS Details



Consistency Check ▾

<p>Core Specification</p> <p>4.0HCI (4.0 Host Controller Interface)</p> <p>BB (Baseband Conformance)</p> <p>HCI (Host Controller Interface)</p> <p>LL (Low Energy Link Layer)</p> <p>LMP (Link Manager)</p> <p>PROD (Product Type)</p> <p>RF (Radio)</p> <p>RFPHY (Low Energy RF PHY)</p> <p>SUM ICS (Summary ICS)</p> <p>GATT Profiles and Services</p> <p>LE Audio Specification</p> <p>Mesh Specifications</p> <p>Traditional Profiles</p>	<p>Summary ICS Core 5.1 (Controller)</p> <p>Controller</p> <p>Table 21: Controller Core Configuration</p> <table border="1"> <thead> <tr> <th>Support</th> <th>Item</th> <th>Capability</th> <th>Reference</th> <th>Status</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td>21/14</td> <td>Core Specification Version 4.2, Adopted 02 December 2014</td> <td>Core 4.2</td> <td>C.1</td> <td>C.1: Mandatory to support only one Controller Core Specification Version. IF 11/1 "End Product" OR 11/3 "Controller Subsystem" is Supported, Mandatory to Support only one Controller Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (BB OR LL OR LMP OR RF OR RFPHY) is Supported, otherwise Excluded.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>21/15</td> <td>Core Specification Addendum 5 (CSA5), Adopted 01 December 2015</td> <td>Controller-CSA5</td> <td>C.2</td> <td>C.2: Optional IF 21/14 "Core 4.2" is supported, otherwise Excluded.</td> </tr> </tbody> </table>	Support	Item	Capability	Reference	Status	Comment	<input type="checkbox"/>	21/14	Core Specification Version 4.2, Adopted 02 December 2014	Core 4.2	C.1	C.1: Mandatory to support only one Controller Core Specification Version. IF 11/1 "End Product" OR 11/3 "Controller Subsystem" is Supported, Mandatory to Support only one Controller Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (BB OR LL OR LMP OR RF OR RFPHY) is Supported, otherwise Excluded.	<input type="checkbox"/>	21/15	Core Specification Addendum 5 (CSA5), Adopted 01 December 2015	Controller-CSA5	C.2	C.2: Optional IF 21/14 "Core 4.2" is supported, otherwise Excluded.
Support	Item	Capability	Reference	Status	Comment														
<input type="checkbox"/>	21/14	Core Specification Version 4.2, Adopted 02 December 2014	Core 4.2	C.1	C.1: Mandatory to support only one Controller Core Specification Version. IF 11/1 "End Product" OR 11/3 "Controller Subsystem" is Supported, Mandatory to Support only one Controller Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (BB OR LL OR LMP OR RF OR RFPHY) is Supported, otherwise Excluded.														
<input type="checkbox"/>	21/15	Core Specification Addendum 5 (CSA5), Adopted 01 December 2015	Controller-CSA5	C.2	C.2: Optional IF 21/14 "Core 4.2" is supported, otherwise Excluded.														

<input type="checkbox"/>	21/16	Core Specification Version 5.0. Adopted 06 December 2016	Core 5.0	C.1	C.1: Mandatory to support only one Controller Core Specification Version. IF 11/1 "End Product" OR 11/3 "Controller Subsystem" is Supported, Mandatory to Support only one Controller Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (BB OR LL OR LMP OR RF OR RF-PHY) is Supported, otherwise Excluded.
<input type="checkbox"/>	21/17	Core Erratum 10734 Pairing Updates. Adopted 16 July 2018	Erratum 10734	C.3	C.3: Mandatory IF 21/14 "Core 4.2" OR 21/16 "Core 5.0" is Supported, otherwise Excluded. (Applicable as a separate item in addition to specifications adopted prior to this erratum, integrated in specifications adopted later)
<input checked="" type="checkbox"/>	21/18	Core Specification Version 5.1. Adopted 15 January 2019	Core 5.1	C.1	C.1: Mandatory to support only one Controller Core Specification Version. IF 11/1 "End Product" OR 11/3 "Controller Subsystem" is Supported, Mandatory to Support only one Controller Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (BB OR LL OR LMP OR RF OR RF-PHY) is Supported, otherwise Excluded.
<input checked="" type="checkbox"/>	21/19	Core Erratum 11838 Key Size Updates. Adopted 13 August 2019	Erratum 11838	C.4	C.4: Mandatory IF 21/14 "Core 4.2" OR 21/16 "Core 5.0" OR 21/18 "Core 5.1" is Supported, otherwise Excluded. (Applicable as a separate item in addition to specifications adopted prior to this erratum, integrated in specifications adopted later)

<input type="checkbox"/>	21/20	Core Specification Version 5.2. Adopted 31 December 2019	Core 5.2	C.1	C.1: Mandatory to support only one Controller Core Specification Version. IF 11/1 "End Product" OR 11/3 "Controller Subsystem" is Supported, Mandatory to Support only one Controller Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (BB OR LL OR LMP OR RF OR RF-PHY) is Supported, otherwise Excluded.
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Controller

Table 22: EDR Features

Support	Item	Capability	Reference	Status	Comment
<input checked="" type="checkbox"/>	22/1	EDR for asynchronous transports (single slot)	Core 2.0+EDR or later	C.1	C.1: Mandatory to support at least one IF an AMP Controller Core supporting + HS (41/1 "Core 3.0 + HS or later") is supported, otherwise Optional.
<input checked="" type="checkbox"/>	22/2	EDR for asynchronous transports (multi-slot)	Core 2.0+EDR or later	C.1	C.1: Mandatory to support at least one IF an AMP Controller Core supporting + HS (41/1 "Core 3.0 + HS or later") is supported, otherwise Optional.
<input checked="" type="checkbox"/>	22/4	EDR for synchronous transports (Core 3.0 or later)	CSA1 and 3.0+HS or later	C.1	C.1: Mandatory to support at least one IF an AMP Controller Core supporting + HS (41/1 "Core 3.0 + HS or later") is supported, otherwise Optional.

Core Host

Table 31: Host Core Specification

Support	Item	Capability	Reference	Status	Comment
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<input type="checkbox"/>	31/17	Core Spec Version 4.2, Adopted 02 December 2014	Core 4.2	C.1	C.1: Mandatory to support one and only one Host Core Specification Version. IF 11/1 "End Product" OR 11/2 "Host Subsystem" is Supported, Mandatory to Support only one Host Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (ATT OR GAP OR GATT OR L2CAP OR SDP OR SM) is Supported, otherwise Excluded.
<input type="checkbox"/>	31/18	Core Spec Version 4.2 + HS, Adopted 02 December 2014	Core 4.2+HS	C.1	C.1: Mandatory to support one and only one Host Core Specification Version. IF 11/1 "End Product" OR 11/2 "Host Subsystem" is Supported, Mandatory to Support only one Host Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (ATT OR GAP OR GATT OR L2CAP OR SDP OR SM) is Supported, otherwise Excluded.
<input type="checkbox"/>	31/19	Core Specification Version 5.0. Adopted 06 December 2016	Core 5.0	C.1	C.1: Mandatory to support one and only one Host Core Specification Version. IF 11/1 "End Product" OR 11/2 "Host Subsystem" is Supported, Mandatory to Support only one Host Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (ATT OR GAP OR GATT OR L2CAP OR SDP OR SM) is Supported, otherwise Excluded.

<input type="checkbox"/>	31/20	Core Specification Version 5.1. Adopted 15 January 2019	Core 5.1	C.1	C.1: Mandatory to support one and only one Host Core Specification Version. IF 11/1 "End Product" OR 11/2 "Host Subsystem" is Supported, Mandatory to Support only one Host Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (ATT OR GAP OR GATT OR L2CAP OR SDP OR SM) is Supported, otherwise Excluded.
<input type="checkbox"/>	31/21	Core Specification Version 5.2. Adopted 31 December 2019	Core 5.2	C.1	C.1: Mandatory to support one and only one Host Core Specification Version. IF 11/1 "End Product" OR 11/2 "Host Subsystem" is Supported, Mandatory to Support only one Host Core Spec version IF (11/4 "Component tested" OR 11/5 "Component non-tested") AND (ATT OR GAP OR GATT OR L2CAP OR SDP OR SM) is Supported, otherwise Excluded.

LE Host Specification Parts

Table 34: LE Host Specification Parts

Support	Item	Capability	Reference	Status	Comment
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<input type="checkbox"/>	34/12	Core Specification Addendum 6 (CSA6)	CSA6	C.6	C.6: Mandatory IF (11/6 "Profile Subsystem" OR 11/4 "Component (Tested)" OR 11/5 "Component (Non-Tested)") AND (((31/10 "Host Core: Core 4.0" OR 31/10a "Host Core: Core 4.0 + HS") AND (31/12 "Host Core: CSA3" OR 31/13 "Host Core: CSA4")) OR 31/14 "Host Core: Core 4.1" OR 31/15 "Host Core: Core 4.1 + HS" OR 31/16 "Host Core: Core 4.2" OR 31/17 "Host Core: Core 4.2 + HS" OR 31/18 "Host Core: Core 5.0") is supported, otherwise Excluded.
<input type="checkbox"/>	34/13	Core Erratum 10734 Pairing Updates. Adopted 16 July 2018	Erratum 10734	C.7	C.7: Mandatory IF 31/17 "Core 4.2" OR 31/18 "Core 4.2+HS" OR 31/19 "Core 5.0" is Supported, otherwise Excluded. (Applicable as a separate item in addition to specifications adopted prior to this erratum, integrated in specifications adopted later)
<input type="checkbox"/>	34/14	Core Specification Supplement 8 (CSSv8), Adopted 15 January 2019	CSSv8	O	
<input type="checkbox"/>	34/15	Core Erratum 11838 Key Size Updates. Adopted 13 August 2019	Erratum 11838	C.9	C.9: Mandatory IF 31/17 "Core 4.2" OR 31/18 "Core 4.2 + HS" OR 31/19 "Core 5.0" OR 31/20 "Core 5.1" is Supported, otherwise Excluded. (Applicable as a separate item in addition to specifications adopted prior to this erratum, integrated in specifications adopted later)

AMP Controller

Table 41: AMP Controller Core Specification

Support	Item	Capability	Reference	Status	Comment
<input type="checkbox"/>	41/1	Core Specification Version 3.0 + HS or later	Core 3.0+HS Core 4.0	C.1	C.1: Mandatory IF 12/4 "HS – Controller" is supported; otherwise Optional.

AMP Controller Specifications

Table 42: AMP Controller Specification Parts

Support	Item	Capability	Reference	Status	Comment
<input type="checkbox"/>	42/1	802.11 Protocol Adaptation Layer (802.11 PAL)	Vol. 5, Part A	C.1	C.1: Mandatory if 41/1 "Core 3.0 + HS" is supported, otherwise Excluded.
<input type="checkbox"/>	42/2	802.11 MAC/PHY	IEEE 802.11-2007 or later	C.2	C.2: Mandatory if (41/1 "Core 3.0 + HS" AND (21/6 "Core 2.1 + EDR" OR 21/8 "Core 3.0" OR 21/9 "Core 4.0" OR 21/13 "Core 4.1" OR SUM ICS 21/14 "Core 4.2" OR 21/16 "Core 5.0" OR 21/18 "Core 5.1")) is supported, otherwise Optional. (Mandatory for End Products or Controller Subsystems with AMP Controller and BR/EDR Controller 5.1, 5.0, 4.2, 4.1, 4.0, 3.0 or 2.1 + EDR).
<input type="checkbox"/>	42/4	802.11 MAC/PHY	IEEE 802.11-2007 Amendment 1	C.4	C.4: Mandatory if (41/1 "Core 3.0 + HS" AND (21/6 "Core 2.1 + EDR" OR 21/8 "Core 3.0" OR 21/9 "Core 4.0" OR 21/13 "Core 4.1" OR SUM ICS 21/14 "Core 4.2" OR 21/16 "Core 5.0" OR 21/18 "Core 5.1")) is supported, otherwise Optional. (Mandatory for End Products or Controller Subsystems with AMP Controller and BR/EDR Controller 5.1, 5.0, 4.2, 4.1, 4.0, 3.0 or 2.1 + EDR).

Application Protocols and Profile Specifications

Table 51: Low Energy Controller Configuration


Support	Item	Capability	Reference	Status	Comment
<input checked="" type="checkbox"/>	51/1	Low Energy Controller	Core 4.0 or Later	C.1	C.1: Mandatory if PROD 2/4 or 2/5 or 2/6 is supported, otherwise Excluded.

Application Protocols and Profile Specifications

Table 52: Low Energy Host Core Specification

Support	Item	Capability	Reference	Status	Comment
<input type="checkbox"/>	52/1	Low Energy Host	Core 4.0 or Later	C.1	C.1: Mandatory if PROD 3/3 or 3/4 or 3/5 is supported, otherwise Excluded.

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