

Generic Access Profile

Bluetooth® Document

Revision Date: 2022-09-19



This document, regardless of its title or content, is not a Bluetooth Specification as defined in the Bluetooth Patent/Copyright License Agreement (“PCLA”) and Bluetooth Trademark License Agreement. Use of this document by members of Bluetooth SIG is governed by the membership and other related agreements between Bluetooth SIG Inc. (“Bluetooth SIG”) and its members, including the PCLA and other agreements posted on Bluetooth SIG’s website located at www.bluetooth.com.

THIS DOCUMENT IS PROVIDED “AS IS” AND BLUETOOTH SIG, ITS MEMBERS, AND THEIR AFFILIATES MAKE NO REPRESENTATIONS OR WARRANTIES AND DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, TITLE, NON-INFRINGEMENT, FITNESS FOR ANY PARTICULAR PURPOSE, THAT THE CONTENT OF THIS DOCUMENT IS FREE OF ERRORS.

TO THE EXTENT NOT PROHIBITED BY LAW, BLUETOOTH SIG, ITS MEMBERS, AND THEIR AFFILIATES DISCLAIM ALL LIABILITY ARISING OUT OF OR RELATING TO USE OF THIS DOCUMENT AND ANY INFORMATION CONTAINED IN THIS DOCUMENT, INCLUDING LOST REVENUE, PROFITS, DATA OR PROGRAMS, OR BUSINESS INTERRUPTION, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, AND EVEN IF BLUETOOTH SIG, ITS MEMBERS, OR THEIR AFFILIATES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This document is proprietary to Bluetooth SIG. This document may contain or cover subject matter that is intellectual property of Bluetooth SIG and its members. The furnishing of this document does not grant any license to any intellectual property of Bluetooth SIG or its members.

This document is subject to change without notice.

Copyright © 2021–2022 by Bluetooth SIG, Inc. The Bluetooth word mark and logos are owned by Bluetooth SIG, Inc. Other third-party brands and names are the property of their respective owners.



Generic Access Profile

Assigned numbers and GAP

Data Type Value	Data Type Name	Reference for Definition
0x01	«Flags»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.3 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.3 and 18.1 (v4.0)Core Specification Supplement, Part A, section 1.3
0x02	«Incomplete List of 16-bit Service Class UUIDs»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.1 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.1 and 18.2 (v4.0)Core Specification Supplement, Part A, section 1.1
0x03	«Complete List of 16-bit Service Class UUIDs»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.1 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.1 and 18.2 (v4.0)Core Specification Supplement, Part A, section 1.1
0x04	«Incomplete List of 32-bit Service Class UUIDs»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.1 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, section 18.2 (v4.0)Core Specification Supplement, Part A, section 1.1
0x05	«Complete List of 32-bit Service Class UUIDs»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.1 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, section 18.2 (v4.0)Core Specification Supplement, Part A, section 1.1
0x06	«Incomplete List of 128-bit Service Class UUIDs»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.1 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.1 and 18.2 (v4.0)Core Specification Supplement, Part A, section 1.1
0x07	«Complete List of 128-bit Service Class UUIDs»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.1 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.1 and 18.2 (v4.0)Core Specification Supplement, Part A, section 1.1
0x08	«Shortened Local Name»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.2 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.2 and 18.4 (v4.0)Core Specification Supplement, Part A, section 1.2
0x09	«Complete Local Name»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.2 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.2 and 18.4 (v4.0)Core Specification Supplement, Part A, section 1.2
0x0A	«Tx Power Level»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.5 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.5 and 18.3 (v4.0)Core Specification Supplement, Part A, section 1.5



Generic Access Profile

Assigned numbers and GAP

0x0D	«Class of Device»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.6 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.5 and 18.5 (v4.0)Core Specification Supplement, Part A, section 1.6
0x0E	«Simple Pairing Hash C»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.6 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.5 and 18.5 (v4.0)
0x0E	«Simple Pairing Hash C-192»	Core Specification Supplement, Part A, section 1.6
0x0F	«Simple Pairing Randomizer R»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.6 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.5 and 18.5 (v4.0)
0x0F	«Simple Pairing Randomizer R-192»	Core Specification Supplement, Part A, section 1.6
0x10	«Device ID»	Device ID Profile v1.3 or later
0x10	«Security Manager TK Value»	Bluetooth Core Specification:Vol. 3, Part C, sections 11.1.7 and 18.6 (v4.0)Core Specification Supplement, Part A, section 1.8
0x11	«Security Manager Out of Band Flags»	Bluetooth Core Specification:Vol. 3, Part C, sections 11.1.6 and 18.7 (v4.0)Core Specification Supplement, Part A, section 1.7
0x12	«Slave Connection Interval Range»	Bluetooth Core Specification:Vol. 3, Part C, sections 11.1.8 and 18.8 (v4.0)Core Specification Supplement, Part A, section 1.9
0x14	«List of 16-bit Service Solicitation UUIDs»	Bluetooth Core Specification:Vol. 3, Part C, sections 11.1.9 and 18.9 (v4.0)Core Specification Supplement, Part A, section 1.10



Generic Access Profile

Assigned numbers and GAP

0x15	«List of 128-bit Service Solicitation UUIDs»	Bluetooth Core Specification:Vol. 3, Part C, sections 11.1.9 and 18.9 (v4.0)Core Specification Supplement, Part A, section 1.10
0x16	«Service Data»	Bluetooth Core Specification:Vol. 3, Part C, sections 11.1.10 and 18.10 (v4.0)
0x16	«Service Data - 16-bit UUID»	Core Specification Supplement, Part A, section 1.11
0x17	«Public Target Address»	Bluetooth Core Specification:Core Specification Supplement, Part A, section 1.13
0x18	«Random Target Address»	Bluetooth Core Specification:Core Specification Supplement, Part A, section 1.14
0x19	«Appearance»	Bluetooth Core Specification:Core Specification Supplement, Part A, section 1.12
0x1A	«Advertising Interval»	Bluetooth Core Specification:Core Specification Supplement, Part A, section 1.15
0x1B	«LE Bluetooth Device Address»	Core Specification Supplement, Part A, section 1.16
0x1C	«LE Role»	Core Specification Supplement, Part A, section 1.17
0x1D	«Simple Pairing Hash C-256»	Core Specification Supplement, Part A, section 1.6



Generic Access Profile

Assigned numbers and GAP

0x1E	«Simple Pairing Randomizer R-256»	Core Specification Supplement, Part A, section 1.6
0x1F	«List of 32-bit Service Solicitation UUIDs»	Core Specification Supplement, Part A, section 1.10
0x20	«Service Data - 32-bit UUID»	Core Specification Supplement, Part A, section 1.11
0x21	«Service Data - 128-bit UUID»	Core Specification Supplement, Part A, section 1.11
0x22	«LE Secure Connections Confirmation Value»	Core Specification Supplement Part A, Section 1.6
0x23	«LE Secure Connections Random Value»	Core Specification Supplement Part A, Section 1.6
0x24	«URI»	Bluetooth Core Specification:Core Specification Supplement, Part A, section 1.18
0x25	«Indoor Positioning»	Indoor Positioning Service v1.0 or later
0x26	«Transport Discovery Data»	Transport Discovery Service v1.0 or later
0x27	«LE Supported Features»	Core Specification Supplement, Part A, Section 1.19



Generic Access Profile

Assigned numbers and GAP

0x28	«Channel Map Update Indication»	Core Specification Supplement, Part A, Section 1.20
0x29	«PB-ADV»	Mesh Profile Specification Section 5.2.1
0x2A	«Mesh Message»	Mesh Profile Specification Section 3.3.1
0x2B	«Mesh Beacon»	Mesh Profile Specification Section 3.9
0x2C	«BIGInfo»	Core Specification v5.2 or later, Volume 6, Part B, Section 4.4.6.11
0x2D	«Broadcast_Code»	Core Specification v5.2 or later, Volume 3, Part C, Section 3.2.6
0x2E	«Resolvable Set Identifier»	Coordinated Set Identification Profile 1.0
0x2F	«Advertising Interval - long»	Core Specification Supplement v10, Part A, Section 1.15
0x30	«Broadcast_Name»	Public Broadcast Profile v1.0 or later
0x3D	«3D Information Data»	3D Synchronization Profile, v1.0 or later



Generic Access Profile

Assigned numbers and GAP

0xFF	«Manufacturer Specific Data»	Bluetooth Core Specification:Vol. 3, Part C, section 8.1.4 (v2.1 + EDR, 3.0 + HS and 4.0)Vol. 3, Part C, sections 11.1.4 and 18.11 (v4.0)Core Specification Supplement, Part A, section 1.4
------	------------------------------	---

