

Baseband

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Assigned Numbers for Baseband

The General- and Device-specific Inquiry Access Codes (DIACs)

#	LAP Value	Usage
0	0x9E8B33	General/Unlimited Inquiry Access Code (GIAC)
1	0x9E8B00	Limited Dedicated Inquiry Access Code (LIAC)
2-63	0x9E8B01-0x9E8B32, 0x9E8B34-0x9E8B3F	RESERVED FOR FUTURE USE

Major Service Classes

Bit No.	Major Service Class
13	Limited Discoverable Mode [Ref #1]
14	LE audio
15	(reserved)
16	Positioning (Location identification)
17	Networking (LAN, Ad hoc, ...)
18	Rendering (Printing, Speakers, ...)
19	Capturing (Scanner, Microphone, ...)
20	Object Transfer (v-Inbox, v-Folder, ...)
21	Audio (Speaker, Microphone, Headset service, ...)
22	Telephony (Cordless telephony, Modem, Headset service, ...)
23	Information (WEB-server, WAP-server, ...)

[Ref #1: See Generic Access Profile (please refer to the Generic Access Profile within the respective Core Specification)]



Assigned Numbers for Baseband

Major Device Classes

12	11	10	9	8	Major Device Class
0	0	0	0	0	Miscellaneous [Ref #2]
0	0	0	0	1	Computer (desktop, notebook, PDA, organizer, ...)
0	0	0	1	0	Phone (cellular, cordless, pay phone, modem, ...)
0	0	0	1	1	LAN /Network Access point
0	0	1	0	0	Audio/Video (headset, speaker, stereo, video display, VCR, ...)
0	0	1	0	1	Peripheral (mouse, joystick, keyboard, ...)
0	0	1	1	0	Imaging (printer, scanner, camera, display, ...)
0	0	1	1	1	Wearable
0	1	0	0	0	Toy
0	1	0	0	1	Health
1	1	1	1	1	Uncategorized: device code not specified
X	X	X	X	X	All other values reserved

[Ref #2: Used where a more specific Major Device Class code is not suitable (but only as specified in this document). A device that does not have a major class code assigned can use the all-1 code until “classified.”]

The Minor Device Class field

The Minor Device Class field (bits 7 to 2 in the CoD) is interpreted only in the context of the Major Device Class (but independently of the Service Class field). Thus, the meaning of the bits may change, depending on the value of the Major Device Class field. When the Minor Device Class field indicates a device class, then the primary device class should be reported – e.g., a cellular phone that can also work as a cordless handset should use “Cellular” in the Minor Device Class field.

The Minor Device Class field - Computer Major Class

7	6	5	4	3	2	Minor Device Class bit no. of CoD
0	0	0	0	0	0	Uncategorized, code for device not assigned
0	0	0	0	0	1	Desktop workstation
0	0	0	0	1	0	Server-class computer
0	0	0	0	1	1	Laptop
0	0	0	1	0	0	Handheld PC/PDA (clamshell)
0	0	0	1	0	1	Palm-size PC/PDA
0	0	0	1	1	0	Wearable computer (watch size)
0	0	0	1	1	1	Tablet
X	X	X	X	X	X	All other values reserved



Assigned Numbers for Baseband

Minor Device Class field – Phone Major Class

7	6	5	4	3	2	Minor Device Class bit no. of CoD
0	0	0	0	0	0	Uncategorized, code for device not assigned
0	0	0	0	0	1	Cellular
0	0	0	0	1	0	Cordless
0	0	0	0	1	1	Smartphone
0	0	0	1	0	0	Wired modem or voice gateway
0	0	0	1	0	1	Common ISDN access
X	X	X	X	X	X	All other values reserved

Minor Device Class field – LAN/Network Access Point Major Class

7	6	5	Minor Device Class bit no. of CoD
0	0	0	Fully available
0	0	1	1% to 17% utilized
0	1	0	17% to 33% utilized
0	1	1	33% to 50% utilized
1	0	0	50% to 67% utilized
1	0	1	67% to 83% utilized
1	1	0	83% to 99% utilized
1	1	1	No service available
X	X	X	All other values reserved

4	3	2	Minor Device Class bit no. of CoD
0	0	0	Uncategorized (use this value if no others apply)
X	X	X	All other values reserved



Assigned Numbers for Baseband

Minor Device Class field – Audio/Video Major Class

7	6	5	4	3	2	Minor Device Class bit no. of CoD
0	0	0	0	0	0	Uncategorized, code not assigned
0	0	0	0	0	1	Wearable Headset Device
0	0	0	0	1	0	Hands-free Device
0	0	0	0	1	1	(Reserved)
0	0	0	1	0	0	Microphone
0	0	0	1	0	1	Loudspeaker
0	0	0	1	1	0	Headphones
0	0	0	1	1	1	Portable Audio
0	0	1	0	0	0	Car audio
0	0	1	0	0	1	Set-top box
0	0	1	0	1	0	HiFi Audio Device
0	0	1	0	1	1	VCR
0	0	1	1	0	0	Video Camera
0	0	1	1	0	1	Camcorder
0	0	1	1	1	0	Video Monitor
0	0	1	1	1	1	Video Display and Loudspeaker
0	1	0	0	0	0	Video Conferencing
0	1	0	0	0	1	(Reserved)
0	1	0	0	1	0	Gaming/Toy
X	X	X	X	X	X	All other values reserved

Minor Device Class field – Peripheral Major Class

7	6	Minor Device Class bit no. of CoD
0	0	Not Keyboard / Not Pointing Device
0	1	Keyboard
1	0	Pointing device
1	1	Combo keyboard/pointing device

5	4	3	2	Minor Device Class bit no. of CoD
0	0	0	0	Uncategorized device
0	0	0	1	Joystick
0	0	1	0	Gamepad
0	0	1	1	Remote control
0	1	0	0	Sensing device
0	1	0	1	Digitizer tablet
0	1	1	0	Card Reader (e.g. SIM Card Reader)
0	1	1	1	Digital Pen
1	0	0	0	Handheld scanner for bar-codes, RFID, etc.
1	0	0	1	Handheld gestural input device (e.g., “wand” form factor)
X	X	X	X	All other values reserved



Assigned Numbers for Baseband

Minor Device Class field – Imaging Major Class

7	6	5	4	Minor Device Class bit no. of CoD
X	X	X	1	Display
X	X	1	X	Camera
X	1	X	X	Scanner
1	X	X	X	Printer
X	X	X	X	All other values reserved

3	2	Minor Device Class bit no. of CoD
0	0	Uncategorized, default
X	X	All other values reserved

Bits two and three are reserved

Minor Device Class field – Wearable Major Class

7	6	5	4	3	2	Minor Device Class bit no. of CoD
0	0	0	0	0	1	Wristwatch
0	0	0	0	1	0	Pager
0	0	0	0	1	1	Jacket
0	0	0	1	0	0	Helmet
0	0	0	1	0	1	Glasses
X	X	X	X	X	X	All other values reserved

Minor Device Class field – Toy Major Class

7	6	5	4	3	2	Minor Device Class bit no. of CoD
0	0	0	0	0	1	Robot
0	0	0	0	1	0	Vehicle
0	0	0	0	1	1	Doll / Action figure
0	0	0	1	0	0	Controller
0	0	0	1	0	1	Game
X	X	X	X	X	X	All other values reserved



Assigned Numbers for Baseband

Minor Device Class field – Health

7	6	5	4	3	2	Minor Device Class bit no. of CoD
0	0	0	0	0	0	Undefined
0	0	0	0	0	1	Blood Pressure Monitor
0	0	0	0	1	0	Thermometer
0	0	0	0	1	1	Weighing Scale
0	0	0	1	0	0	Glucose Meter
0	0	0	1	0	1	Pulse Oximeter
0	0	0	1	1	0	Heart/Pulse Rate Monitor
0	0	0	1	1	1	Health Data Display
0	0	1	0	0	0	Step Counter
0	0	1	0	0	1	Body Composition Analyzer
0	0	1	0	1	0	Peak Flow Monitor
0	0	1	0	1	1	Medication Monitor
0	0	1	1	0	0	Knee Prosthesis
0	0	1	1	0	1	Ankle Prosthesis
0	0	1	1	1	0	Generic Health Manager
0	0	1	1	1	1	Personal Mobility Device
X	X	X	X	X	X	All other values reserved

