

Keyboard Scan Codes

HID Usage Page Name	HID Usage Name	HID Usage Page	HID Usage ID	Scan 1 Make	Key Location
Generic Desktop	System Power Down	0x0001	0x0081	0xE05E	
Generic Desktop	System Sleep	0x0001	0x0082	0xE05F	
Generic Desktop	System Wake Up	0x0001	0x0083	0xE063	
Keyboard/Keypad	ErrorRollOver	0x0007	0x0001	0x00FF	
Keyboard/Keypad	Keyboard A	0x0007	0x0004	0x001E	31
Keyboard/Keypad	Keyboard B	0x0007	0x0005	0x0030	50
Keyboard/Keypad	Keyboard C	0x0007	0x0006	0x002E	48
Keyboard/Keypad	Keyboard D	0x0007	0x0007	0x0020	33
Keyboard/Keypad	Keyboard E	0x0007	0x0008	0x0012	19
Keyboard/Keypad	Keyboard F	0x0007	0x0009	0x0021	34
Keyboard/Keypad	Keyboard G	0x0007	0x000A	0x0022	35
Keyboard/Keypad	Keyboard H	0x0007	0x000B	0x0023	36
Keyboard/Keypad	Keyboard I	0x0007	0x000C	0x0017	24
Keyboard/Keypad	Keyboard J	0x0007	0x000D	0x0024	37
Keyboard/Keypad	Keyboard K	0x0007	0x000E	0x0025	38
Keyboard/Keypad	Keyboard L	0x0007	0x000F	0x0026	39
Keyboard/Keypad	Keyboard M	0x0007	0x0010	0x0032	52
Keyboard/Keypad	Keyboard N	0x0007	0x0011	0x0031	51
Keyboard/Keypad	Keyboard O	0x0007	0x0012	0x0018	25
Keyboard/Keypad	Keyboard P	0x0007	0x0013	0x0019	26
Keyboard/Keypad	Keyboard Q	0x0007	0x0014	0x0010	17
Keyboard/Keypad	Keyboard R	0x0007	0x0015	0x0013	20
Keyboard/Keypad	Keyboard S	0x0007	0x0016	0x001F	32
Keyboard/Keypad	Keyboard T	0x0007	0x0017	0x0014	21
Keyboard/Keypad	Keyboard U	0x0007	0x0018	0x0016	23
Keyboard/Keypad	Keyboard V	0x0007	0x0019	0x002F	49
Keyboard/Keypad	Keyboard W	0x0007	0x001A	0x0011	18
Keyboard/Keypad	Keyboard X	0x0007	0x001B	0x002D	47
Keyboard/Keypad	Keyboard Y	0x0007	0x001C	0x0015	22
Keyboard/Keypad	Keyboard Z	0x0007	0x001D	0x002C	46
Keyboard/Keypad	Keyboard 1 and Bang	0x0007	0x001E	0x0002	2

Keyboard/Keypad	Keyboard 2 and At	0x0007	0x001F	0x0003	3
Keyboard/Keypad	Keyboard 3 And Hash	0x0007	0x0020	0x0004	4
Keyboard/Keypad	Keyboard 4 and Dollar	0x0007	0x0021	0x0005	5
Keyboard/Keypad	Keyboard 5 and Percent	0x0007	0x0022	0x0006	6
Keyboard/Keypad	Keyboard 6 and Caret	0x0007	0x0023	0x0007	7
Keyboard/Keypad	Keyboard 7 and Ampersand	0x0007	0x0024	0x0008	8
Keyboard/Keypad	Keyboard 8 and Star	0x0007	0x0025	0x0009	9
Keyboard/Keypad	Keyboard 9 and Left Bracket	0x0007	0x0026	0x000A	10
Keyboard/Keypad	Keyboard 0 and Right Bracket	0x0007	0x0027	0x000B	11
Keyboard/Keypad	Keyboard Return Enter	0x0007	0x0028	0x001C	43
Keyboard/Keypad	Keyboard Escape	0x0007	0x0029	0x0001	110
Keyboard/Keypad	Keyboard Delete	0x0007	0x002A	0x000E	15
Keyboard/Keypad	Keyboard Tab	0x0007	0x002B	0x000F	16
Keyboard/Keypad	Keyboard Spacebar	0x0007	0x002C	0x0039	61
Keyboard/Keypad	Keyboard Dash and Underscore	0x0007	0x002D	0x000C	12
Keyboard/Keypad	Keyboard Equals and Plus	0x0007	0x002E	0x000D	13
Keyboard/Keypad	Keyboard Left Brace	0x0007	0x002F	0x001A	27
Keyboard/Keypad	Keyboard Right Brace	0x0007	0x0030	0x001B	28
Keyboard/Keypad	Keyboard Pipe and Slash	0x0007	0x0031	0x002B	29
Keyboard/Keypad	Keyboard Non-US	0x0007	0x0032	0x002B	42
Keyboard/Keypad	Keyboard SemiColon and Colon	0x0007	0x0033	0x0027	40
Keyboard/Keypad	Keyboard Apostrophe and Double Quotation Mark	0x0007	0x0034	0x0028	41

Keyboard/Keypad	Keyboard Grave Accent and Tilde	0x0007	0x0035	0x0029	1
Keyboard/Keypad	Keyboard Comma	0x0007	0x0036	0x0033	53
Keyboard/Keypad	Keyboard Period	0x0007	0x0037	0x0034	54
Keyboard/Keypad	Keyboard QuestionMark	0x0007	0x0038	0x0035	55
Keyboard/Keypad	Keyboard Caps Lock	0x0007	0x0039	0x003A	30
Keyboard/Keypad	Keyboard F1	0x0007	0x003A	0x003B	112
Keyboard/Keypad	Keyboard F2	0x0007	0x003B	0x003C	113
Keyboard/Keypad	Keyboard F3	0x0007	0x003C	0x003D	114
Keyboard/Keypad	Keyboard F4	0x0007	0x003D	0x003E	115
Keyboard/Keypad	Keyboard F5	0x0007	0x003E	0x003F	116
Keyboard/Keypad	Keyboard F6	0x0007	0x003F	0x0040	117
Keyboard/Keypad	Keyboard F7	0x0007	0x0040	0x0041	118
Keyboard/Keypad	Keyboard F8	0x0007	0x0041	0x0042	119
Keyboard/Keypad	Keyboard F9	0x0007	0x0042	0x0043	120
Keyboard/Keypad	Keyboard F10	0x0007	0x0043	0x0044	121
Keyboard/Keypad	Keyboard F11	0x0007	0x0044	0x0057	122
Keyboard/Keypad	Keyboard F12	0x0007	0x0045	0x0058	123
Keyboard/Keypad	Keyboard PrintScreen	0x0007	0x0046	0xE037 0x0054 *Note 1	124
Keyboard/Keypad	Keyboard Scroll Lock	0x0007	0x0047	0x0046	125
Keyboard/Keypad	Keyboard Pause	0x0007	0x0048	0xE11D45 0xE046 *Note 2 0x0045 *Note 3	126
Keyboard/Keypad	Keyboard Insert	0x0007	0x0049	0xE052	75
Keyboard/Keypad	Keyboard Home	0x0007	0x004A	0xE047	80
Keyboard/Keypad	Keyboard PageUp	0x0007	0x004B	0xE049	85
Keyboard/Keypad	Keyboard Delete Forward	0x0007	0x004C	0xE053	76
Keyboard/Keypad	Keyboard End	0x0007	0x004D	0xE04F	81
Keyboard/Keypad	Keyboard PageDown	0x0007	0x004E	0xE051	86
Keyboard/Keypad	Keyboard RightArrow	0x0007	0x004F	0xE04D	89
Keyboard/Keypad	Keyboard LeftArrow	0x0007	0x0050	0xE04B	79

Keyboard/Keypad	Keyboard DownArrow	0x0007	0x0051	0xE050	84
Keyboard/Keypad	Keyboard UpArrow	0x0007	0x0052	0xE048	83
Keyboard/Keypad	Keypad Num Lock and Clear	0x0007	0x0053	0x0045 0xE045 *Note 3	90
Keyboard/Keypad	Keypad Forward Slash	0x0007	0x0054	0xE035	95
Keyboard/Keypad	Keypad Star	0x0007	0x0055	0x0037	100
Keyboard/Keypad	Keypad Dash	0x0007	0x0056	0x004A	105
Keyboard/Keypad	Keypad Plus	0x0007	0x0057	0x004E	106
Keyboard/Keypad	Keypad ENTER	0x0007	0x0058	0xE01C	108
Keyboard/Keypad	Keypad 1 and End	0x0007	0x0059	0x004F	93
Keyboard/Keypad	Keypad 2 and Down Arrow	0x0007	0x005A	0x0050	98
Keyboard/Keypad	Keypad 3 and PageDn	0x0007	0x005B	0x0051	103
Keyboard/Keypad	Keypad 4 and Left Arrow	0x0007	0x005C	0x004B	92
Keyboard/Keypad	Keypad 5	0x0007	0x005D	0x004C	97
Keyboard/Keypad	Keypad 6 and Right Arrow	0x0007	0x005E	0x004D	102
Keyboard/Keypad	Keypad 7 and Home	0x0007	0x005F	0x0047	91
Keyboard/Keypad	Keypad 8 and Up Arrow	0x0007	0x0060	0x0048	96
Keyboard/Keypad	Keypad 9 and PageUp	0x0007	0x0061	0x0049	101
Keyboard/Keypad	Keypad 0 and Insert	0x0007	0x0062	0x0052	99
Keyboard/Keypad	Keypad Period	0x0007	0x0063	0x0053	104
Keyboard/Keypad	Keyboard Non-US Slash Bar	0x0007	0x0064	0x0056	45
Keyboard/Keypad	Keyboard Application	0x0007	0x0065	0xE05D	129
Keyboard/Keypad	Keyboard Power	0x0007	0x0066	0xE05E	
Keyboard/Keypad	Keypad Equals	0x0007	0x0067	0x0059	
Keyboard/Keypad	Keyboard F13	0x0007	0x0068	0x0064	
Keyboard/Keypad	Keyboard F14	0x0007	0x0069	0x0065	
Keyboard/Keypad	Keyboard F15	0x0007	0x006A	0x0066	

Keyboard/Keypad	Keyboard F16	0x0007	0x006B	0x0067	
Keyboard/Keypad	Keyboard F17	0x0007	0x006C	0x0068	
Keyboard/Keypad	Keyboard F18	0x0007	0x006D	0x0069	
Keyboard/Keypad	Keyboard F19	0x0007	0x006E	0x006A	
Keyboard/Keypad	Keyboard F20	0x0007	0x006F	0x006B	
Keyboard/Keypad	Keyboard F21	0x0007	0x0070	0x006C	
Keyboard/Keypad	Keyboard F22	0x0007	0x0071	0x006D	
Keyboard/Keypad	Keyboard F23	0x0007	0x0072	0x006E	
Keyboard/Keypad	Keyboard F24	0x0007	0x0073	0x0076	
Keyboard/Keypad	Keypad Comma	0x0007	0x0085	0x007E	107 *Note 4
Keyboard/Keypad	Keyboard International1	0x0007	0x0087	0x0073	56 *Note 4, 5
Keyboard/Keypad	Keyboard International2	0x0007	0x0088	0x0070	133 *Note 5
Keyboard/Keypad	Keyboard International3	0x0007	0x0089	0x007D	14 *Note 5
Keyboard/Keypad	Keyboard International4	0x0007	0x008A	0x0079	132 *Note 5
Keyboard/Keypad	Keyboard International5	0x0007	0x008B	0x007B	131 *Note 5
Keyboard/Keypad	Keyboard International6	0x0007	0x008C	0x005C	
Keyboard/Keypad	Keyboard LANG1	0x0007	0x0090	0x0072	
				*Note 6	
				0x00F2	
				*Note 3, 6	
Keyboard/Keypad	Keyboard LANG2	0x0007	0x0091	0x0071	
				*Note 6	
				0x00F1	
				*Note 3, 6	
Keyboard/Keypad	Keyboard LANG3	0x0007	0x0092	0x0078	
Keyboard/Keypad	Keyboard LANG4	0x0007	0x0093	0x0077	
Keyboard/Keypad	Keyboard LANG5	0x0007	0x0094	0x0076	

Keyboard/Keypad	Keyboard LeftControl	0x0007	0x00E0	0x001D	58
Keyboard/Keypad	Keyboard LeftShift	0x0007	0x00E1	0x002A	44
Keyboard/Keypad	Keyboard LeftAlt	0x0007	0x00E2	0x0038	60
Keyboard/Keypad	Keyboard Left GUI	0x0007	0x00E3	0xE05B	127
Keyboard/Keypad	Keyboard RightControl	0x0007	0x00E4	0xE01D	64
Keyboard/Keypad	Keyboard RightShift	0x0007	0x00E5	0x0036	57
Keyboard/Keypad	Keyboard RightAlt	0x0007	0x00E6	0xE038	62
Keyboard/Keypad	Keyboard Right GUI	0x0007	0x00E7	0xE05C	128
Consumer	Scan Next Track	0x000C	0x00B5	0xE019	
Consumer	Scan Previous Track	0x000C	0x00B6	0xE010	
Consumer	Stop	0x000C	0x00B7	0xE024	
Consumer	Play/Pause	0x000C	0x00CD	0xE022	
Consumer	Mute	0x000C	0x00E2	0xE020	
Consumer	Volume Increment	0x000C	0x00E9	0xE030	
Consumer	Volume Decrement	0x000C	0x00EA	0xE02E	
Consumer	AL Consumer Control Configuration	0x000C	0x0183	0xE06D	
Consumer	AL Email Reader	0x000C	0x018A	0xE06C	
Consumer	AL Calculator	0x000C	0x0192	0xE021	
Consumer	AL Local Machine Browser	0x000C	0x0194	0xE06B	
Consumer	AC Search	0x000C	0x0221	0xE065	
Consumer	AC Home	0x000C	0x0223	0xE032	
Consumer	AC Back	0x000C	0x0224	0xE06A	
Consumer	AC Forward	0x000C	0x0225	0xE069	
Consumer	AC Stop	0x000C	0x0226	0xE068	
Consumer	AC Refresh	0x000C	0x0227	0xE067	
Consumer	AC Bookmarks	0x000C	0x022A	0xE066	

Notes

1. *SysRq* key scan code is emitted on *Alt+Print screen* keystroke
2. *Break* key scan code is emitted on *Control+Pause* keystroke
3. As seen in legacy keyboard messages
4. The key is present on Brazilian keyboards
5. The key is present on Japanese keyboards
6. The scan code is emitted in key release event only

Extended Key Flag

The extended-key flag indicates whether the keystroke message originated from one of the additional keys on the Enhanced 101/102-key keyboard. The extended keys consist of the ALT and CTRL keys on the right-hand side of the keyboard; the INS, DEL, HOME, END, PAGE UP, PAGE DOWN, and arrow keys in the clusters to the left of the numeric keypad; the NUM LOCK key; the BREAK (CTRL+PAUSE) key; the PRINT SCRN key; and the divide (/) and ENTER keys in the numeric keypad. The right-hand SHIFT key is not considered an extended-key, it has a separate scan code instead.

If specified, the scan code consists of a sequence of two bytes, where the first byte has a value of 0xE0