



55	56	57	58	59	60	61	62	63	64	65	66	67
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50	1	2	3	16	17	30	31	32	33	
	4	5	6	18	19	20	34	35	36	37
	7	8	9	21	22	23	38	39	40	41
	10	11	12	24	25	26	42	43	44	45
	13	14	15	27	28	29	46	47	48	49

S1 S2

 Programmable Key

 Programmable Key w/ Modifier Capability

Key #	Key Name	USB		PS2		Note(s)
		Usage Page	Usage	Scan Set 1	Scan Set 2	
				Mk / Brk	Mk / Brk	
1	a A	07	04	1E / 9E	1C / F0 1C	
2	b B	07	05	30 / B0	32 / F0 32	
3	c C	07	06	2E / AE	21 / F0 21	
4	g G	07	0A	22 / A2	34 / F0 34	
5	h H	07	0B	23 / A3	33 / F0 33	
6	i I	07	0C	17 / 97	43 / F0 43	
7	m M	07	10	32 / B2	3A / F0 3A	
8	n N	07	11	31 / B1	31 / F0 31	
9	o O	07	12	18 / 98	44 / F0 44	
10	s S	07	16	1F / 9F	1B / F0 1B	
11	t T	07	17	14 / 94	2C / F0 2C	
12	u U	07	18	16 / 96	3C / F0 3C	
13	y Y	07	1C	15 / 95	35 / F0 35	
14	z Z	07	1D	2C / AC	1A / F0 1A	
15	Space	07	2C	39 / B9	29 / F0 29	
16	Keypad . Delete	07	63	53 / D3	71 / F0 71	
					E1 14 77	
				E1 1D 45	E1 F0 14	
17	Pause	07	48	E1 9D C5 / None	F0 77 / None	4
18	Keypad 7 Home	07	5F	47 / C7	6C / F0 6C	
19	Keypad 8 Up	07	60	48 / C8	75 / F0 75	
20	Keypad 9 PageUp	07	61	49 / C9	7D / F0 7D	
21	Keypad 4 Left	07	5C	4B / CB	6B / F0 6B	
22	Keypad 5	07	5D	4C / CC	73 / F0 73	
23	Keypad 6 Right	07	5E	4D / CD	74 / F0 74	
24	Keypad 1 End	07	59	4F / CF	69 / F0 69	
25	Keypad 2 Down	07	5A	50 / D0	72 / F0 72	
26	Keypad 3 PageDn	07	5B	51 / D1	7A / F0 7A	
27	Double Key	N/A	N/A	N/A / N/A	N/A / N/A	
28	Keypad 0 Insert	07	62	52 / D2	70 / F0 70	
29	Keypad /	07	54	E0 35 / E0 B5	E0 4A / E0 F0 4A	2
30	` ~	07	35	29 / A9	0E / F0 0E	
31	d D	07	07	20 / A0	23 / F0 23	
32	e E	07	08	12 / 92	24 / F0 24	
33	f F	07	09	21 / A1	2B / F0 2B	
34	; :	07	33	27 / A7	4C / F0 4C	
35	j J	07	0D	24 / A4	3B / F0 3B	
36	k K	07	0E	25 / A5	42 / F0 42	
37	l L	07	0F	26 / A6	4B / F0 4B	
38	' "	07	34	28 / A8	52 / F0 52	
39	p P	07	13	19 / 99	4D / F0 4D	
40	q Q	07	14	10 / 90	15 / F0 15	
41	r R	07	15	13 / 93	2D / F0 2D	
42	\	07	31	2B / AB	5D / F0 5D	
43	v V	07	19	2F / AF	2A / F0 2A	
44	w W	07	1A	11 / 91	1D / F0 1D	
45	x X	07	1B	2D / AD	22 / F0 22	

Key #	Key Name	USB		PS2		
		Usage Page	Usage	Scan Set 1	Scan Set 2	Note(s)
				Mk / Brk	Mk / Brk	
46	Keypad Enter	07	58	E0 1C / E0 9C	E0 5A / E0 F0 5A	
47	, <	07	36	33 / B3	41 / F0 41	
48	. >	07	37	34 / B4	49 / F0 49	
49	/ ?	07	38	35 / B5	4A / F0 4A	
50	Left Control	07	E0	1D / 9D	14 / F0 14	
51	Left Alt	07	E2	38 / B8	11 / F0 11	
52	Tab	07	2B	0F / 8F	0D / F0 0D	
53	Backspace	07	2A	0E / 8E	66 / F0 66	
54	Left Shift	07	E1	2A / AA	12 / F0 12	
55	Escape	07	29	01 / 81	76 / F0 76	
56	1 !	07	1E	02 / 82	16 / F0 16	
57	2 @	07	1F	03 / 83	1E / F0 1E	
58	3 #	07	20	04 / 84	26 / F0 26	
59	4 \$	07	21	05 / 85	25 / F0 25	
60	5 %	07	22	06 / 86	2E / F0 2E	
61	6 ^	07	23	07 / 87	36 / F0 36	
62	7 &	07	24	08 / 88	3D / F0 3D	
63	8 *	07	25	09 / 89	3E / F0 3E	
64	9 (07	26	0A / 8A	46 / F0 46	
65	0)	07	27	0B / 8B	45 / F0 45	
66	- _	07	2D	0C / 8C	4E / F0 4E	
67	= +	07	2E	0D / 8D	55 / F0 55	

- 1 Scan codes listed are base codes. Depending on the current state of NumLock and Shift keys these base codes may have additional shift and/or unshift codes, as shown below, preceding the base make code or following the base break code.

	Scan Set 1		Scan Set 2	
	Precede Make	Follow Break	Precede Make	Follow Break
Num Lock ON and				
Final Key only	E0 2A	E0 AA	E0 12	E0 F0 12
LSHIFT				
RSHIFT				
Both LSHIFT and RSHIFT				
Num Lock OFF and				
Final Key only				
LSHIFT	E0 AA	E0 2A	E0 F0 12	E0 12
RSHIFT	E0 B6	E0 36	E0 F0 59	E0 59
Both LSHIFT and RSHIFT	E0 AA E0 B6	E0 36 E0 2A	E0 F0 12 E0 F0 59	E0 59 E0 12

- 2 Scan codes listed are base codes. If shift keys are active then codes are "unshifted" by preceding the base make codes by break code for applicable shift key(s) and following the base break codes by make code for the applicable shift key(s) as shown below.

	Scan Set 1		Scan Set 2	
	Precede Make	Follow Break	Precede Make	Follow Break
LSHIFT down + Final Key	E0 AA	E0 2A	E0 F0 12	E0 12
RSHIFT down + Final Key	E0 B6	E0 36	E0 F0 59	E0 59
Both LSHIFT and RSHIFT down + Final Key	E0 AA E0 B6	E0 36 E0 2A	E0 F0 12 E0 F0 59	E0 59 E0 12

- 3 Scan codes listed are base codes. Depending on the state of modifier keys, alternate codes are reported for this key.

	Scan Set 1		Scan Set 2	
	Make	Break	Make	Break
Final Key only	E0 2A E0 37	E0 B7 E0 AA	E0 12 E0 7C	E0 F0 7C E0 F0 12
LCtrl or RCtrl + LSHIFT or RSHIFT	E0 37	E0 B7	E0 7C	E0 F0 7C
LAlt or RAlt	54	D4	84	F0 84

- 4 Scan codes listed are base codes. Depending on the state of modifier keys, alternate codes are reported for this key as shown below. Also note that no codes are sent on the break for this key.

	Scan Set 1		Scan Set 2	
	Make	Break	Make	Break
Final Key only	E1 1D 45 E1 9D C5	None	E1 14 77 E1 F0 14 F0 77	None
LCtrl or RCtrl + LSHIFT or RSHIFT	E0 46 E0 C6	None	E0 7E E0 F0 7E	None

- 5 Scan codes listed are base codes. Depending on the state of modifier keys and the S1/S2 Mode Setting, alternate codes are reported for this key as shown below.

S1	Scan Set 1		Scan Set 2		SIO Scan Codes	
	Make	Break	Make	Break	Make	Break
S1/S2 Mode = Default						
Final Key only	64	E4	E2 E4	E2 F2 E4	8D	F0 8D
LCtrl	9D 01	81 1D	F0 14 76	F0 76 14	F0 50 00 50	
RCtrl	E0 9D 01	81 E0 1D	E0 F0 14 76	F0 76 E0 14	F0 40 00 40	
Both LCtrl and RCtrl	9D E0 9D 01	81 1D E0 1D	F0 14 E0 F0 14 76	F0 76 14 E0 14	F0 50 F0 40 00 50 40	
S1/S2 Mode = SIO						
	64	E4	E2 E4	E2 F2 E4		

S2	Scan Set 1		Scan Set 2		SIO Scan Codes	
	Make	Break	Make	Break	Make	Break
S1/S2 Mode = Default						
Final Key only	65	E5	E2 E5	E2 F2 E5	1D	F0 1D
LCtrl	9D 1C	8C 1D	F0 14 5A	F0 5A 14	F0 50 01 50	
RCtrl	E0 9D 1C	8C E0 1D	E0 F0 14 5A	F0 5A E0 14	F0 40 01 40	
Both LCtrl and RCtrl	9D E0 9D 1C	8C 1D E0 1D	F0 14 E0 F0 14 5A	F0 5A 14 E0 14	F0 50 F0 40 01 50 40	
S1/S2 Mode = SIO						
	65	E5	E2 E5	E2 F2 E5		

- 6 Scan codes listed are base codes. Depending on the state of modifier keys and the S1/S2 Mode Setting, alternate codes are reported for this key as shown below.

S1	Scan Set 1		Scan Set 2		SIO Scan Codes	
	Make	Break	Make	Break	Make	Break
S1/S2 Mode = Default						
Final Key only					AF	F0 AF
Ctrl					F0 50 00 50	
S1/S2 Mode = SIO						

S2	Scan Set 1		Scan Set 2		SIO Scan Codes	
	Make	Break	Make	Break	Make	Break
S1/S2 Mode = Default						
Final Key only					BF	F0 BF
LCtrl					F0 50 01 50	
S1/S2 Mode = SIO						