

INT 16 - Keyboard Scan Codes

Key	Normal	Shifted	w/Ctrl	w/Alt
A	1E61	1E41	1E01	1E00
B	3062	3042	3002	3000
C	2E63	2E42	2E03	2E00
D	2064	2044	2004	2000
E	1265	1245	1205	1200
F	2166	2146	2106	2100
G	2267	2247	2207	2200
H	2368	2348	2308	2300
I	1769	1749	1709	1700
J	246A	244A	240A	2400
K	256B	254B	250B	2500
L	266C	264C	260C	2600
M	326D	324D	320D	3200
N	316E	314E	310E	3100
O	186F	184F	180F	1800
P	1970	1950	1910	1900
Q	1071	1051	1011	1000
R	1372	1352	1312	1300
S	1F73	1F53	1F13	1F00
T	1474	1454	1414	1400
U	1675	1655	1615	1600
V	2F76	2F56	2F16	2F00
W	1177	1157	1117	1100
X	2D78	2D58	2D18	2D00
Y	1579	1559	1519	1500
Z	2C7A	2C5A	2C1A	2C00

Key	Normal	Shifted	w/Ctrl	w/Alt
1	0231	0221		7800
2	0332	0340	0300	7900
3	0433	0423		7A00
4	0534	0524		7B00
5	0635	0625		7C00
6	0736	075E	071E	7D00
7	0837	0826		7E00
8	0938	092A		7F00
9	0A39	0A28		8000
0	0B30	0B29		8100

Key	Normal	Shifted	w/Ctrl	w/Alt
-	0C2D	0C5F	0C1F	8200
=	0D3D	0D2B		8300
[1A5B	1A7B	1A1B	1A00
]	1B5D	1B7D	1B1D	1B00
;	273B	273A		2700
'	2827	2822		
`	2960	297E		
\	2B5C	2B7C	2B1C	2600 (same as Alt L)
,	332C	333C		
.	342E	343E		
/	352F	353F		

Key	Normal	Shifted	w/Ctrl	w/Alt
F1	3B00	5400	5E00	6800
F2	3C00	5500	5F00	6900
F3	3D00	5600	6000	6A00
F4	3E00	5700	6100	6B00
F5	3F00	5800	6200	6C00
F6	4000	5900	6300	6D00
F7	4100	5A00	6400	6E00
F8	4200	5B00	6500	6F00
F9	4300	5C00	6600	7000
F10	4400	5D00	6700	7100
F11	8500	8700	8900	8B00
F12	8600	8800	8A00	8C00

Key	Normal	Shifted	w/Ctrl	w/Alt
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BackSpace	0E08	0E08	0E7F	0E00
Del	5300	532E	9300	A300
Down Arrow	5000	5032	9100	A000
End	4F00	4F31	7500	9F00
Enter	1C0D	1C0D	1C0A	A600
Esc	011B	011B	011B	0100
Home	4700	4737	7700	9700
Ins	5200	5230	9200	A200
Keypad 5		4C35	8F00	
Keypad *	372A		9600	3700
Keypad -	4A2D	4A2D	8E00	4A00
Keypad +	4E2B	4E2B		4E00
Keypad /	352F	352F	9500	A400
Left Arrow	4B00	4B34	7300	9B00
PgDn	5100	5133	7600	A100
PgUp	4900	4939	8400	9900
PrtSc			7200	
Right Arrow	4D00	4D36	7400	9D00
SpaceBar	3920	3920	3920	3920
Tab	0F09	0F00	9400	A500
Up Arrow	4800	4838	8D00	9800

- Some key combinations are not available on all systems. The PS/2 includes many that aren't available on the PC, XT and AT.
- To retrieve the character from a scan code logical AND the word with 0x00FF.
- see INT 16 [MAKE CODES](#)