Decimal to Octal to Hex to ASCII Conversion

16

20

MODE ESC F TO ENTER GRAPHICS MODE ESC [10 m ESC [11 m ESC G TO EXIT GRAPHICS MODE Alter Alter Graphic Alter Graphic Graphic Alter Graphi Dec Oct Hex ASCII Char Dec Oct Hex ASCII Dec Oct Hex ASCII Char Oct Hex ASCII Sym Sym Sym SP 140 60 000 00 NUL 32 040 20 100 40 96 64 SOH 33 21 65 A 141 61 101 41 001 01 041 STX 042 22 102 42 B 142 62 002 02 66 143 63 043 23 103 43 C ETX 35 003 03 67 004 04 36 24 100 144 64 EOT 044 68 104 44 37 045 25 105 45 101 145 65 005 05 ENQ 69 26 102 146 006 06 ACK 38 046 70 106 46 27 G 103 147 67 BEL 39 047 107 47 007 07 71 010 08 BS 050 28 72 104 150 68 40 110 48 105 151 69 29 73 111 49 011 09 HT 41 051 052 2A 106 152 6A 012 0A LF 74 112 4A 107 153 6B 053 2B 75 VT 113 4B K 013 0B 43 108 154 6C 2C 014 OC FF 054 76 114 4C 44 109 155 055 2D 6D 015 0D CR 77 115 4D 45 m 110 156 6E 056 2E SO 78 116 4E n 016 OE 017 OF SI 057 2F 79 117 4F 111 157 6F 0 47 112 160 70 120 50 060 30 020 10 DLE 48 80 061 31 81 121 Q 113 161 71 DC₁ 51 021 11 49 DC₂ 062 32 122 52 114 162 72 022 12 115 163 73 123 53 S DC3 51 063 33 83 S 023 13 116 164 74 064 DC4 52 124 54 024 14 34 NAK 065 35 125 55 117 165 75 85 025 15 126 56 118 166 76 026 16 SYN 066 36 86 127 W 119 167 **ETB** 067 37 57 77 87 027 17 120 170 78 070 38 130 58 030 18 CAN 56 88 121 171 **EM** 57 071 39 89 131 59 031 19 122 172 7A 132 Z 072 3A 5A 032 1A SUB 58 90 133 5B 123 173 **7B** ESC 59 073 **3B** 91 033 1B FS 3C 92 134 5C 124 174 7C 034 1C 074 60 125 175 7D 135 5D 035 1D GS 61 075 3D 93 126 176 7E 036 1E RS 3E 136 5E 62 076 DEL 037 1F Γ 137 5F 127 177 US 63

HEATH/ZENITH

MODE

Zenith/Heath Mode	Ansi Mode	Description	Zenith/Heath Mode	Ansi Mode	Description
Control Characters 0 Decimal 7 Decimal 8 Decimal 9 Decimal 10 Decimal 13 Decimal 14 Decimal 15 Decimal 17 Decimal 19 Decimal 24 Decimal 27 Decimal	00 Hex 07 Hex 08 Hex 09 Hex 09 Hex 0D Hex 0E Hex 0F Hex 11 Hex 13 Hex 18 Hex 1B Hex	NUL - Null BEL - Bell BS - Backspace HT - Horizontal tab (same as VT52) LF - Line feed CR - Carriage return SO - Shift out SI - Shift in DC1 - XON DC3 - XOFF CAN - Cancel current control sequence ESC - Escape	Configuration ESC r Bn Bn = @ A B C D E F H J L M	ESC[Pn w Pn = 0 1 2 3 4 5 6 8 10 12 13 13	Modify baud rate 75 baud 110 baud 150 baud 300 baud 600 baud 1200 baud 1800 baud 2400 baud 4800 baud 9600 baud
Cursor Functions ESC A ESC B ESC C ESC D ESC H ESC I ESC Y ESC j ESC k ESC n ESC -	ESC[Pn A ESC[Pn B ESC[Pn D ESC[H ESC D ESC M ESC[Pl;Pc H ESC[S] ESC[s ESC[s ESC[u ESC[6 n ESC[6 n ESC[Pn Z	Cursor up Cursor down Cursor forward Cursor backward Cursor home Index Reverse index Direct cursor addressing (same as VT52) Save cursor position Set cursor to previously saved position Cursor position report Cursor backward tabulation	ESC y Ps	ESC[> Psh Ps = 1 2 3 4 5 6 7 8 9 ESC[> Psl Ps = 1 2 3 4 5	Set modes Enable 25th line No key click Enter hold screen mode Block cursor Cursor off Keypad shifted Enter alternate keypad mode Auto line feed on receipt of CR Auto carriage return on receipt of LF Set modes Disable 25th line Enable key click Exit hold screen mode Underscore cursor Cursor on
Erasing and Editin	ESC[2J	Clear display (SHIFT ERASE)		6 7 8 9	Keypad unshifted Exit alternate keypad mode No auto line feed No auto carriage return
ESC b ESC J ESC 0 ESC K ESC K ESC M ESC 0 ESC 0 ESC 0 ESC .0 ESC .3 ESC .8	ESC[1] ESC[J ESC[2K ESC[1K ESC[PnL ESC[PnM ESC[PnM ESC[PnP ESC[4h ESC[4h ESC[4] ESC[3g ESC]3g	Erase beginning of display Erase to end of display (ERASE key) Erase entire line Erase beginning of line Erase to end of line Insert line Delete line Insert character Delete character Enter insert character mode Exit insert character mode Clear tab stop at cursor position Clear tab stop at cursor position	Function Keys So ESC S ESC T ESC U ESC V ESC W ESC P ESC Q ESC R ESC 0 I ESC 0 I		F1 function key F2 function key F3 function key F4 function key F5 function key F6 function key F6 function key (Z-19 BLUE key) F7 function key (Z-19 RED key) F8 function key (Z-19 GRAY key) F9 function key HELP function key
Modes of Operation ESC < ESC F ESC G ESC = ESC > ESC [ESC \ ESC \	ESC[?2h ESC[10 m ESC[11 m ESC = ESC > ESC[> 3h ESC[> 3l ESC[2 m ESC[4 m ESC[5 m	Enter ANSI mode of operation Enter ZDS mode of operation Enter graphics mode Exit graphics mode Enter alternate keypad mode Exit alternate keypad mode Exit alternate keypad mode Exit hold screen mode Exit hold screen mode Set attribute Enter half intensity mode Enter underline mode Enter blinking mode	Alternate Keypad ESC ? M ESC ? I ESC ? m ESC ? p ESC ? p ESC ? q ESC ? r ESC ? s ESC ? t ESC ? t ESC ? v ESC ? v ESC ? v	ESCOM ESCON ESCON ESCON ESCON ESCOP ESCOP ESCOC ESCOC ESCOC ESCOU ESCOU ESCOU	"Enter" key "," (comma) key "." (minus) key "." (period) key "0" key "1" key "2" key "3" key "4" key "5" key "6" key
ESC q ESC t ESC u	ESC[7 m ESC[0] ESC[2] ESC[4] ESC[5] ESC[7] ESC[254] ESC[>6h ESC[>6l	Enter reverse video mode Exit all attribute modes Exit reverse video mode No fields are protected Half intensity implies protection Underline implies protection Blinking implies protection Reverse video implies protection No attribute implies protection Enter keypad shifted mode Exit keypad shifted mode G0 designated as United States set	ESC ? x ESC ? y ANSI modes which	ESC O x ESC O y	"8" key "9" key red to be in SET or RESET states, oduct, are: ation Mode RESET Mode RESET ction Mode RESET ansfer Mode RESET Mode RESET Mode RESET Mode RESET Mode RESET Mode RESET
ESC } ESC {	ESC (1 ESC (1 ESC (2 ESC)B ESC)0 ESC)1 ESC [1h ESC [2h ESC [2h ESC [2l ESC [6h	G0 designated as graphic set G0 designated as alternate char set G0 designated as alt char graphic set G1 designated as United States set G1 designated as graphic set G1 designated as alternate char set G1 designated as alternate char set G1 designated as alt char graphic set Set GATM (transmit all data) Reset GATM (transmit only unprotected data) Disable keyboard input Enable keyboard input Set ERM (erase all data) Reset ERM (erase only unprotected data)	SATM SEM SRM SRTM TSM TTM VEM	Selected Area Trar Select Editing Exte Send – Receive M Status Report Tran Tabulation Stop M Transfer Termination Vertical Editing Mo	SET
ESC v ESC w	ESC[20 h ESC[20 l ESC[?7 h ESC[?7 l	Set LNM (auto CR on receipt of LF) Reset LNM (no auto CR on receipt of LF) Wrap-around at end of line Discard at end of line			
Additional Function ESC # ESC ESC ESC ESC	ESC[p ESC[1p ESC[2p ESC[3p ESC#7 ESC[Pt;Pbr ESC[Pnv ESC[Ph;Pm;P	Transmit page Transmit current line Transmit character at cursor Transmit 25th line Transmit page to printer Define scrolling region (top;bottom) Set blinking rate (in 1/30 of second) Forgram clock (hours;minutes;seconds)			
ESC z ESC i 0 ESC 7	ESC c r ESC [z	Reset to power-up configuration Request terminal type (ESC i B 0) Identify as VT52 (ESC / K)			597-3122