ZOC TERMINAL

vttest vt100/vt102 Compatibility Score

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1 Introduction

tvtest is an application that is used to demonstrate features of VT100 and related terminals, or emulations thereof, such as xterm. The program was originally written in 1986 by Per Lindberg. It has been maintained and extended since 1996 by Thomas Dickey, to test and demonstrate features of xterm. The score system in this document is based on the Columbia University tvtest score sheet.

ZOC Terminal is a multi-purpose terminal emulator, telnet-client and ssh-client which features multiple emulations, including VT100.

2 Overall Test Result

Program and version: ZOC Terminal v7.21
Date: 09/2018

Score 97 + Extra credit 8 => Final score: 105 Points

3 Individual Tests

Check if test passed.
Score 1 point per check mark.
Perfect score = 100 points.
Extra credit score at end.

3.1 Test of cursor movements

✓ 1. Text inside frame of E's inside frame of *'s and +'s, 80 columns
✓ 2. Text inside frame of E's inside frame of *'s and +'s, 132 columns
✓ 3. Cursor-control chars inside ESC sequences
4. Leading 0’s in ESC sequences

3.2 Test of screen features

5. Three identical lines of *'s (test of wrap mode)
6. Test of tab setting/resetting
7. 132-column mode, light background
8. 80-column mode, light background
9. 132-column mode, dark background
10. 80-column mode, dark background
11. Soft scroll down
12. Soft scroll up / down
13. Jump scroll down
14. Jump scroll up / down
15. Origin mode test (2 parts)

3.2.1 Graphic Rendition test pattern, dark background

16. Normal (“vanilla”)
17. Normal underlined distinct from normal
18. Normal blink distinct from all above
19. Normal underline blink distinct from all above
20. Normal reverse (“negative”) distinct from all above
21. Normal underline reverse distinct from all above
22. Normal blink reverse distinct from all above
23. Normal underline blink reverse distinct from all above
24. Bold distinct from all above
25. Bold underlined distinct from all above
26. Bold blink distinct from all above
27. Bold underline blink distinct from all above
28. Bold reverse (“negative”) distinct from all above
29. Bold underline reverse distinct from all above
30. Bold blink reverse distinct from all above
31. Bold underline blink reverse distinct from all above

3.2.2 Graphic Rendition test pattern, light background

32. Normal ("vanilla")
33. Normal underlined distinct from normal
34. Normal blink distinct from all above
35. Normal underline blink distinct from all above
36. Normal reverse ("negative") distinct from all above
37. Normal underline reverse distinct from all above
38. Normal blink reverse distinct from all above
39. Normal underline blink reverse distinct from all above
40. Bold distinct from all above
41. Bold underlined distinct from all above
42. Bold blink distinct from all above
43. Bold underline blink distinct from all above
44. Bold reverse ("negative") distinct from all above
45. Bold underline reverse distinct from all above
46. Bold blink reverse distinct from all above
47. Bold underline blink reverse distinct from all above

3.2.3 Save/Restore Cursor

48. AAAA's correctly placed
49. Lines correctly rendered (middle of character cell)
50. Diamonds correctly rendered

3.3 Test of character sets

51. UK/National shows Pound Sterling sign in 3rd position
52. US ASCII shows number sign in 3rd position
53. SO/SI works (right columns identical with left columns)
54. True special graphics & line drawing chars, not simulated by ASCII

3.4 Test of double-sized chars

3.4.1 Test 1 in 80-column mode
55. Left margin correct
56. Width correct

3.4.2 Test 2 in 80-column mode
57. Left margin correct
58. Width correct

3.4.3 Test 1 in 132-column mode
59. Left margin correct
60. Width correct

3.4.4 Test 2 in 132-column mode
61. Left margin correct
62. Width correct
63. "The man programmer strikes again" test pattern
64. "Exactly half the box should remain"

3.5 Test of keyboard
65. LEDs.
66. Autorepeat
67. "Press each key" (ability to send each ASCII graphic char)
68. Arrow keys (ANSI/ Cursor key mode reset)
69. Arrow keys (ANSI/ Cursor key mode set)
70. Arrow keys VT52 mode
71. PF keys numeric mode
72. PF keys application mode
73. PF keys VT52 numeric mode
74. PF keys VT52 application mode
75. Send answerback message from keyboard
76. Ability to send every control character

3.6 Test of Terminal Reports

77. Respond to ENQ with answerback
78. Newline mode set
79. Newline mode reset
80. Device status report 5
81. Device status report 6
82. Device attributes report
83. Request terminal parameters 0
84. Request terminal parameters 1

3.7 Test of VT52 submode

85. Centered rectangle
86. Normal character set
87. Graphics character set
88. Identify query
3.8 VT102 Features

✔  89. Insert/delete line, 80 columns
✔  90. Insert (character) mode, 80 columns
✔  91. Delete character, 80 columns
✔  92. Right column staggered by 1 (normal chars), 80 columns
✔  93. Right column staggered by 1 (double-wide chars), 80 columns
✔  94. ANSI insert character, 80 columns
✔  95. Insert/delete line, 132 columns
✔  96. Insert (character) mode, 132 columns
✔  97. Delete character, 132 columns
✔  98. Right column staggered by 1 (normal chars), 132 columns
✔  99. Right column staggered by 1 (double-wide chars), 132 columns
✔  100. ANSI insert character, 132 columns

3.9 Extra credit

101. True soft (smooth) scroll
✔  102. True underline
✔  103. True blink
✔  104. True double-high/wide lines, not simulated
✔  105. Reset terminal (*)
✔  106. Interpret controls (debug mode) (*)
✔  107. Send BREAK (250 msec) (*)
✔  108. Send Long BREAK (1.5 sec) (*)
✔  109. Host-controlled transparent / controller print (*)
110. Host-controlled autoprint (*)

(*) Features of VT100 not tested by vttest.