TELERAY
Model 100

Model 100N (N designates one of six available enclosure styles)

132 Columns Editing ANSI X3.64-Compatible

The Model 100 has more designed-in performance and user benefits than any other 132-column terminal. VT100* and VT132* emulation, as well as VT52*-compatibility; 20 non-volatile user-programmable functions; individually displayed set-up titles; four smooth scroll rates; high-resolution display; bi-directional peripheral port. These and many other easy-to-use features are all standard. The Model 100's overall versatility and state-of-the-art ergonomic design assure a high degree of operator satisfaction and productivity.
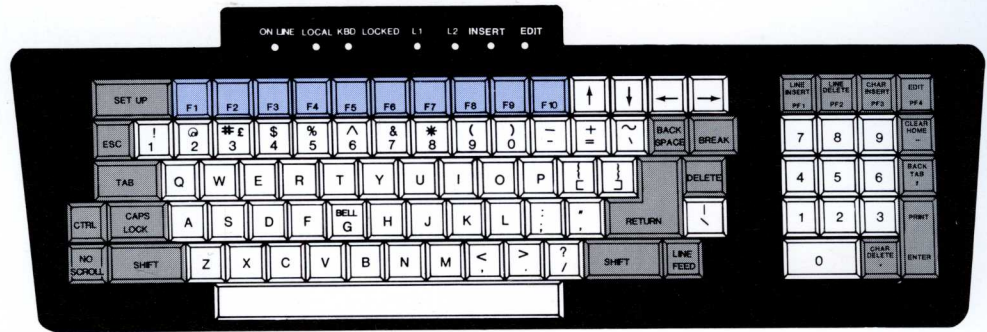
*Registered trademark, Digital Equipment Corp.

Features

- Non-volatile function memory — 880 characters/20 functions, programmable locally or on-line, may be transmitted or locally executed
- 3,168 character page display — 24 lines x 132 columns
- Bi-directional peripheral port — independent data rates
- Easy set-up, with individually displayed feature titles — all parameters may be saved in non-volatile memory
- Four smooth scroll rates — 5, 10, 15 and 20 lines per second — automatically switches to jump scroll to preclude buffer overrun
- Six "hidden" display attributes — bold, blink, underline, overline, inverse and blank — any combination
- Independent protect attribute
- Half-duplex/full-duplex (with or without local echo)
- 40, 66, 80 and 132 column display — line-by-line programmable
- Double height/double width characters
- 256 character input buffer
- Transmit (with or without space compression) — line, window, message and page — unprotected or all data
- Form transmit — entire form, with attributes (including protect)
- Edit mode — screen editing, protection and block transmission — fields defined by "hidden" attributes
- Insert and delete — line and character
- Protect mode, programmable — either edit or character (interactive) mode
- Split baud — independent transmit and receive rates
- Screen saver
- Auto repeat — 15 or 30 cps
- Split screen — selectable window size
- Programmable tabs
- Self-test diagnostics
- Four programmable (plus three status) LEDs
- Special graphics — 32 characters
- Monitor mode
- Answerback — 20 character message, programmable
- Programmable terminal identifier
- UL and CSA approved
- Plus all other operating features of the VT100 and VT132

Model 100

Keyboard

Ergonomics

- High-resolution display — 18.6 kHz horizontal scan rate
- Non-glare 12 or 15 inch screen
- White, green or amber CRT
- Sculptured keyboard and keycaps
- N-key rollover
- Keyclick — on/off
- Choice of six enclosure styles —
- including attached or detached keyboard
- Adjustable viewing angle (certain styles)
- Lightweight, silent and cool operation
- Snap-in/snap-out modules, plug-in ICs — completely serviceable

Specifications

COMMUNICATIONS
- Interface — EIA RS232C
- Protocol — serial asynchronous
- Half and full duplex
- ANSI X3.64-compatible
- Character code — ASCII, 128 characters
- Data rates — 50-19,200 baud (15 rates), programmable
- Character length — 7 or 8 bits
- Parity — even, odd, mark, space or none

DISPLAY
- Type — 12" CRT, P4 phosphor, non-glare screen
- Presentation — light characters on dark background (inverse programmable)
- Display area — 6" high × 8½" wide (153 × 216 mm)
- Format — 24 lines × 40, 66, 80 or 132 columns, line-by-line programmable
- Refresh rate — 50 or 60 Hz, programmable
- Character set — 96 ASCII characters displayed (# or £, programmable) plus 32 control characters and 32 special graphics
- Character formation — 7 × 9 dot matrix (plus descenders), 8 × 12 field
- Cursor — blinking block or underline, programmable

POWER
- 115 ± 10% VAC, 50/60 Hz
- 40 watts

ENVIRONMENTAL
- Operating temperature — 40 to 115°F (4 to 46°C)
- Storage temperature — −40 to 149°F (−40 to 65°C)
- Relative humidity — 10 to 90%, non-condensing

PACKAGING (N-STYLE)*
- Weight — 30 lbs (13.6 kg)
- Size —
  Display: 15 in. high (381 mm)
  17 in. wide (432 mm)
  17 in. deep (432 mm)
  Keyboard: 3¼ in. high (83 mm)
  18¾ in. wide (476 mm)
  7 in. deep (178 mm)

* Five alternate styles available, including rack mount.

OPTIONS
- 230 VAC, 50/60 Hz power
- Current loop interface (in addition to RS232C)
- Alternate character generator
- Composite video output (18.6 kHz horizontal scan/24.0 MHz video, max.)
- 15" CRT (N-style)
- Green or amber CRT
- Tilt base (N-style)

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