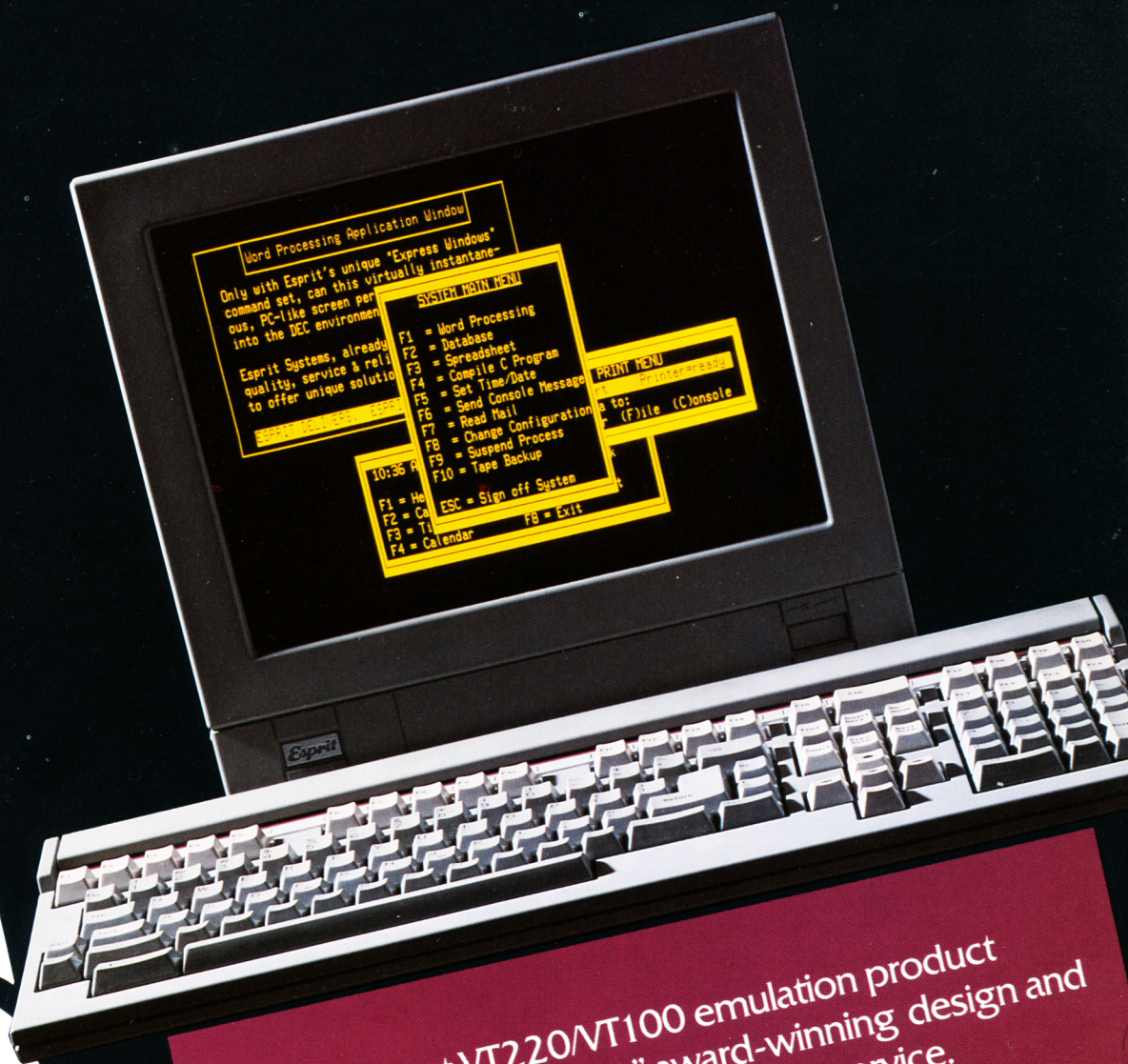


VT220



The best VT220/VT100 emulation product
with "Express Windows," award-winning design and
free 24-hour replacement service.

Esprit

Esprit OPUS220



Esprit (formerly Hazeltine) has been a video terminal industry leader for 17 years. We are known for providing top quality emulations and highly reliable products. The OPUS220 continues Esprit's rapid growth in the DEC® and UNIX®/XENIX® marketplace with a winning combination of styling, functionality and reliability.

PRODUCT HIGHLIGHTS

EXPRESS WINDOWS

Suspend ongoing applications while important messages, menus or help screens, are displayed in block windows. *Restore the original screen data without retransmission from CPU* when the application is resumed. This feature is commonly found only in PC's.

AWARD-WINNING DESIGN

A winner of the Industrial Design Excellence Awards Program conducted by the Industrial Design Society of America. The OPUS series combines excellence in functionality and sleek, attractive styling in a unique "touch tilt" and "Lazy Susan" swivel enclosure.

ENHANCED VIDEO

Crisp, clear video presented on a dark body phosphor 14" flat screen in either green or amber for easy reading. The video display characters surpass DEC and other DEC/ANSI compatibles in screen clarity.

KEYBOARD FLIP STRIPS

The unique "Rolodex-like flip strip" design allows operator selection of multiple function key labels with the flip of a finger.

MULTIPLE PAGES OF MEMORY

This multi-page capability significantly enhances the performance and flexibility of the terminal to meet a wide range of systems software application requirements.

REVOLUTIONARY SERVICE PROGRAM

Every OPUS220 is backed by the industry's first one-year, 24-hour replacement service, called ESPRIT EXPRESS. This service virtually guarantees up-time and eliminates the need for costly on-site service. Esprit also provides an optional two-year return to depot warranty. These programs far exceed the standards of all other terminal manufacturers.

DEC® is a registered trademark of Digital Equipment Corporation.
UNIX® is a registered trademark of AT&T.
XENIX® is a registered trademark of Microsoft.
Data subject to change without notice.

DISPLAY

- **TYPE** 14" flat screen, non-glare, high contrast, dark background CRT.
- **COLOR** Green, amber or optional soft white.
- **TILT & SWIVEL** "Touch-tilt" mechanism with "Lazy Susan" swivel base.
- **VIDEO CONTROL** Dynamic focus with brightness and contrast controls.
- **SCREEN SAVER** Automatically blanks screen after 15 minutes of inactivity, selectable.
- **FORMAT** 25 lines × 80 or 132 columns user selectable including status line.
- **MEMORY** Two pages at 132 columns standard. Two additional pages optional.
- **SCROLL RATES** Four user selectable.
- **WINDOWS** "PC-like" data exchange windows. Remote commands—write copy, move, exchange, clear—facilitate application implementation.
- **CHARACTER SIZE** 7 × 11 dot matrix, two dot descenders, 9 × 13 character field.
- **CHARACTER SET** 8 separate International character sets standard, 94 displayable each.
- **SPECIAL CHARACTERS** DEC® compatible special graphics character sets. Line drawing, bar chart and block graphic support.
- **VIDEO ATTRIBUTES** Normal, bold, blink, reverse, blank, underline, double width and double height.
- **CURSOR ATTRIBUTES** Block or underline, blinking or steady, no cursor.

KEYBOARD

- **TYPE** Low profile, detached. Stepped and sculptured keys. Six (6) foot coiled extension cable. Three position tilt. Meets 30 mm DIN standard. High duty cycle switch.
- **LAYOUT** DEC VT220 style, 109 keys, separate clusters for typewriter, cursor, numeric pad, edit keys and function keys. 8 international typewriter layouts. Deep dish F and J, dimpled 5 key on numeric pad.
- **NUMERIC PAD** Calculator format keyboard, with minus, comma, period and enter. PF 1 through PF 4 function keys.
- **FUNCTION KEYS** 18 dedicated programmable function keys, 36 programmable sequence. 256 bytes of non-volatile memory.
- **F-KEY LABELING** 5 "Rolodex-like" function key labeling "flip strips" conveniently stored in cosmetically integrated enclosure.
- **CURSOR CONTROL** Up/down, left/right arrows, home, backspace, return, tab, linefeed. Direct cursor addressing. Read address.
- **AUDIBLE INDICATORS** Two-tone selectable key click, margin bell, bell alarm.
- **GOLD KEY** "Gold Key" wordprocessing keyboard optional.

COMMUNICATIONS

- **EMULATION** DEC®, VT220®, VT102®, VT101®, VT100®, VT52®, ANSI × 3.64.
- **MAIN INTERFACE** EIA RS-232C. Optional 20mA current loop or RS-422.
- **AUXILIARY INTERFACE** EIA RS-232C bi-directional and buffered port.
- **BAUD RATES** 75 to 38,400 baud rate selection on host and auxiliary ports.
- **FLOW CONTROL** X-On/X-Off, DTR, both or none.
- **MODES** Conversational, half or full duplex, monitor, self-test.
- **PRINT MODE** Print page, auto print, transparent print, and print cursor line.
- **PARITY** Odd, even, mark, space or none.
- **WORD STRUCTURE** 7 or 8 data bits, 1 or 2 stop bits.
- **DUAL SET-UP MODE** Menu driven set-up of all terminal parameters. Two sets of selections saved in non-volatile memory.

PHYSICAL

- **ENCLOSURE** Low profile flat screen design
- **FINISH** Two-tone soft grey.
- **DIMENSIONS**

Monitor:	Keyboard:
Height: 11.4" (289 mm)	Height: 1.5" (38 mm)
Width: 12.4" (315 mm)	Width: 19.1" (483 mm)
Depth: 13.8" (351 mm)	Depth: 7.3" (185 mm)
- **WEIGHTS**

Monitor: 19.4 lbs (8.8 kg)
Keyboard: 4.7 lbs (2.2 kg)
Shipping: 30.0 lbs (13.6 kg)
- **POWER** Voltage 115V, 230V, 50 OR 60Hz
Voltage variation ± 15%. Consumption 50 Watts.
- **ENVIRONMENTAL** Operating range: (10° to 40° C). Storage range: (-20° to +65° C). Humidity: 5 to 95% non-condensing.
- **REGULATORY COMPLIANCE**
Underwriters Laboratories (UL)
FCC Class A (FCC)
Canadian Safety Association (CSA)

WARRANTY AND SERVICE

- **ESPRIT EXPRESS** 24 hour replacement service for any failure during the first twelve (12) months after purchase.
- **WARRANTY** Two (2) year Depot Service may be selected as an option to the Esprit Express program. Parts and materials are covered for product returned to depot.



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