Opus4
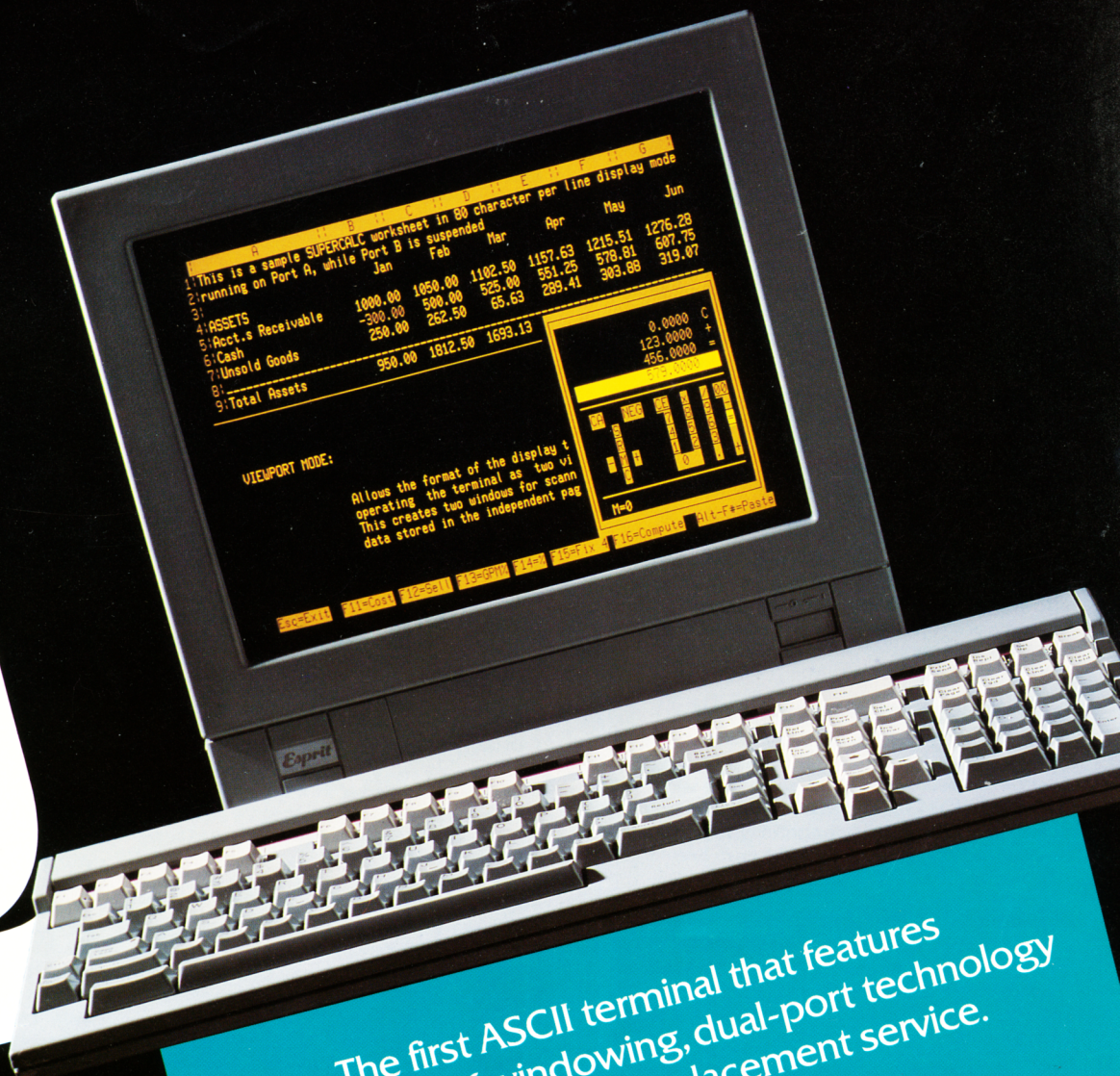
The first ASCII terminal that features three types of windowing, dual-port technology and free 24-hour replacement service.

Esprit

Esprit OPUS 4

Esprit Systems, Inc. (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 OPUS 4 incorporates three types of windows and dual port technology for PICK®, UNIX® and XENIX® users.

PRODUCT HIGHLIGHTS

EXPRESS WINDOWS

The first ASCII terminal with unique software for PC-like windows. Suspend on-going applications while important messages, menus, forms or help screens are overlayed as screen windows. Overlay any number of windows and retrieve the original screen data when the application is resumed without re-transmission from the host CPU. This feature is a powerful tool for VAR's to enhance their existing applications.

DUAL PORT/VIEWPORT DISPLAY

DUAL PORT technology enables instant communication through two ports to the same or separate host CPU's via a "Hot Key." Multi-session windowing in VIEWPORT mode allows the user to split the screen into two windows permitting the operator to view and compare information from two different applications simultaneously.

FULL-FUNCTION KEYBOARD

MULTIPLE FKEY LEVELS: 3 independent sets of programmable FKeys permit multiple applications such as WordPerfect and Oracle in addition to pre-stored WordStar functions to be supported simultaneously.

FKEY LABELING: The unique "Rolodex-like" flip strip design allows selection of multiple function key labels for multiple applications with the flip of a finger.

PROGRAMMABLE SOFT KEYS: 38/76 editing keys are also programmable for unique software commands required for specific system applications.

ENHANCED PRODUCTIVITY—ESI "Easy" Tools

ESI "Easy" Tools provide enhanced desktop accessories commonly found only in PCs. A Calculator with a full range of memory and "paste" functions, Clock/Alarm with reminder messages, three months at-a-glance Calendar and ASCII table with multi-national and graphic symbols are included.

AWARD-WINNING DESIGN

A winner in the Industrial Design Excellence Awards Program conducted by the Industrial Design Society of America. The OPUS design includes a unique "touch-tilt" and "Lazy Susan" swivel enclosure.

REVOLUTIONARY SERVICE PROGRAMS

Every OPUS 4 is backed by the Industry's first one-year, 24-hour replacement service, Esprit Express, which virtually guarantees up-time and eliminates costly on-site service. An optional two-year return to depot warranty is also available. These programs far exceed the standards of all other terminal manufacturers.

DISPLAY

- **TYPE** 14" flat screen. Non-glare, high contrast, dark background CRT.
- **COLOR** Green, amber or optional white.
- **TILT & SWIVEL** "Touch-tilt," "Lazy Susan" swivel base.
- **VIDEO CONTROL** Dynamic focus, brightness and contrast controls.
- **SCREEN SAVER** Programmable (on/off) for selectable periods. 10, 20 or 30 minutes of inactivity.
- **FORMAT** 24 lines × 80 or 132 columns user selectable, plus two (2) programmable status/message lines.
- **MEMORY** Two pages at 80 or 132 columns standard. Two additional pages optional.
- **SCROLL RATES** Four selectable scroll speeds plus no scroll. Dynamically variable from keyboard.
- **CHARACTER SIZE** 7 × 11 dot matrix, two dot descenders, 9 × 13 dot character field.
- **CHARACTER SETS** 128 U.S. ASCII plus 94 multi-national.
- **SOFT FONT** Two 94 character sets dynamically reloadable and selectable.
- **SPECIAL CHARACTERS** Thirty-two special graphics, characters, line drawing, bar chart and block graphic support plus 8 national character sets.
- **VIDEO ATTRIBUTES** Normal, dim, blink, reverse, blank, underscore, and combinations. Selectable as either embedded or non-embedded for full emulation support.
- **CURSOR ATTRIBUTES** Block, underline or blank, selectable with or without blinking.
- **WINDOWS** Full memory and software management of "PC like" data exchange windows resident in the terminal. Remote commands—copy, move, exchange, clear—facilitate application implementation.
- **POP-UPS** Full function Calculator, Clock/Alarm, Calendar and ASCII Chart (character sets and symbols) can be displayed under operator control in non-destructive windows.

KEYBOARD

- **TYPE** Low profile, detached, stepped and sculptured keys. Six foot coiled extension cable. Three position tilt. Meets 30 mm DIN standard. High duty-cycle switch.
- **LAYOUT** Office-automation style, 110 keys, separate typewriter, cursor, numeric pad, edit key and function key clusters. 8 selectable national typewriter layouts. F, J and numeric 5 keys have touch indicators.
- **NUMERIC PAD** Calculator format keypad: minus, comma, period, enter, 4 dedicated clear keys. Clear Page, Clear Foreground, Clear Line, Clear Field.
- **FUNCTION KEYS** 16 dedicated FKeys. Keyboard or remotely programmable with 64 programmable sequences in each of 3 independent sets. Each set has 256 bytes (characters) of NV RAM

that can be allocated to one or more keys/sequences. Permanently stored WordStar FKey sequences are operator selectable. FKeys also serve as "paste" keys to store and transmit numerical entries and values while using "Pop-Up" calculator.
- **PROGRAMMABLE** 38 programmable editing keys shiftable to 76, for unique commands required by specific applications. Up to four characters transmitted per sequence.
- **FKEY LABELING** Five "Rolodex-like" function key labeling flip strips, conveniently stored in cosmetic enclosure.
- **CURSOR CONTROL** Up/down/left/right arrows, home, backspace, returntab, linefeed, backtab.
- **AUDIBLE INDICATORS** Bell alarm, selectable key click.

COMMUNICATIONS

- **EMULATION** Hazeltine 1500, ESPRIT 6310, WYSE 50, TeleVideo 925/950, ADDS Viewpoint (A2)/Regent 25, ADM 3A/5 and VT52.
- **MAIN INTERFACE EIA** RS-232C or optional 20mA current loop or RS-422.
- **AUXILIARY INTERFACE EIA** RS-232C bi-directional and buffered port.
- **DUAL HOST** Main and AUX port configurable as two independent communication ports with separate memory and CPU control.
- **BAUD RATES** Independent 50 to 38.4K baud rate selection on host and auxiliary ports. Auxiliary speed independent of main port.
- **FLOW CONTROL** X-ON/X-OFF DTR both or none, independently selectable for each port.
- **MODES** Conversational, Local, Block, Half or Full Duplex.
- **PROTECT MODE** Protects displayed characters from being overwritten from keyboard entries.
- **PRINT MODE** On-line, page, transparent and formatted screen print, bi-directional.
- **SET-UP MODE** Menu driven set-up of all terminal parameters. Two independent sets of selections saved in non-volatile memory.
- **MONITOR MODE** All control, escape and data sequences can be displayed.
- **VIEWPORT MODE** Split the screen into two separate windows to allow the display to be shared by both ports in Dual Host operation.
- **PARITY** Odd, even, mark, space or none.
- **WORD STRUCTURE** 7 or 8 data bits with or without parity, 1 or 2 stop bits.

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)