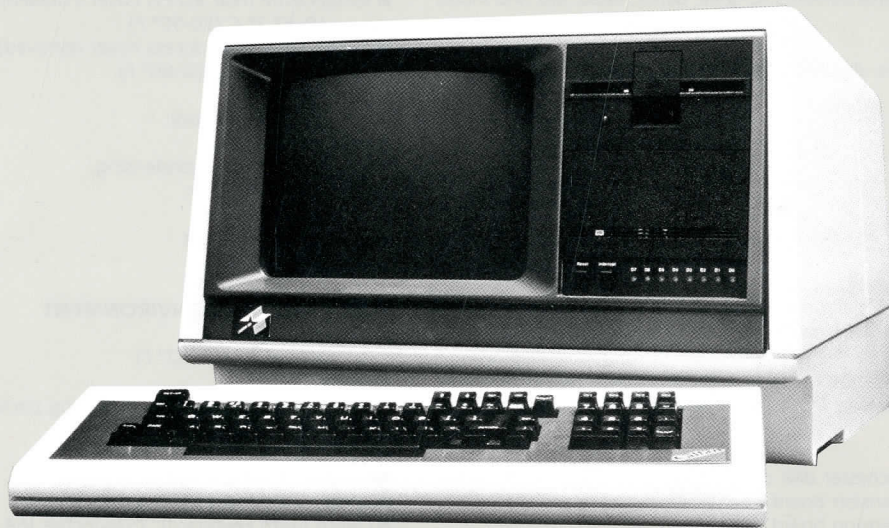


Callan



# UNISTAR 100 SINGLEUSER SYSTEM



The UNISTAR™ 100 singleuser workstation is the first of a new family of powerful, 68000-based microcomputers that are designed and built to provide speed and versatility for the scientific, industrial and commercial markets. As a compact desktop system, the UNISTAR 100 combines cost effectiveness with high reliability to achieve the ultimate in individualized computing power for professional applications.

The UNISTAR 100 is a turnkey system that includes an intelligent video terminal, integrated disk storage, a microprocessor CPU and the UNIX\* operating system.



**FEATURE SUMMARY**

**PROCESSOR**

- 16/32-bit 68000 microprocessor CPU (8 MHz)
- No wait states for local RAM access
- 256K bytes dynamic local RAM (expandable to 1M bytes)
- Eight vectored interrupt levels
- Two-level (segment/page) memory management unit
- IEEE 796 compatible Multibus\* architecture

**DISK STORAGE**

- 600K byte (formatted) 5¼-inch minifloppy; double-sided, double-density
- DMA-based minifloppy controller with high quality analog data separator
- 10M byte (formatted) 5¼-inch Winchester disk
- DMA-based Winchester controller providing burst error correction

**PERIPHERALS**

- 83-key detachable keyboard (including numeric keypad) with 18 programmable function keys
- 12-inch P31 green phosphor monitor with a 25 × 80 character/line display
- VT100/VT52\* – compatible video controller with split screen feature and six alternate video attributes
- 8 slot Multibus card cage (IEEE 796 compatible)
- 4 extra slots available
- Supports two RS423 interface ports
- ETHERNET\* compatible

**SYSTEM SOFTWARE**

- Bell Laboratories, UNIX V7 (licensed under UNIX System III) with University of California/Berkeley enhancements (C-Shell, diffdir, head, last and more)
- 68000 Assembler
- C Language\*
- Text processing functions: document formatter, spelling program and full screen editor

**SOFTWARE OPTIONS**

- ADA
- Fortran 77
- Pascal
- COBOL
- BASIC
- EasyType™ Word Processing
- MicroINGRES\* Relational Database Manager
- UNICALC\* Electronic Spreadsheet
- Software maintenance agreement including UNIX upgrades, diagnostics, bug reports, application notes, utility updates and device driver releases
- Reconfiguration rights (allows I/O driver additions)

**HARDWARE OPTIONS**

- 21M byte 5¼-inch Winchester disk drive
- 256K byte memory expansion board
- 512K byte memory expansion board
- TEKTRONIX 4010-compatible graphics controller board

**ADDITIONAL FEATURES**

- Complete set of hardware and software documentation included
- Complete spare parts package and maintenance manual available
- 3-Month Factory Warranty
- Third-party maintenance from ITT Courier

**SPECIFICATIONS**

**POWER**

- AC Input:
  - 105-125 VAC @ 60Hz 4 amps RMS load
  - 210-250 VAC @ 50Hz 2 amps RMS load
- Input Power:
  - 500 VA apparent; 300 Watts maximum
- DC Output:
  - +5V @ 25 AMPS
  - +12V Linear @ 4 AMPS
  - +12V Motors @ 4 AMPS
  - 12V @ 3 AMPS
  - 5V @ .5 AMPS
  - Maximum power load is 225 watts
- DC Power Reserve: (for spare slots)
  - +5V @ 13 AMPS
  - +12V @ 1.3 AMPS
  - 12V @ 1.8 AMPS
  - 5V @ .5 AMPS

**ENVIRONMENTAL**

**OPERATING ENVIRONMENT**

- Temperature (rear access cover installed):
  - 10-32.2° C (50-90° F)
- Temperature (rear access cover removed):
  - 10-26.71° C (50-80° F)
- Altitude:
  - 8000 ft. (2.4 km)
- Humidity:
  - 10-90% non-condensing
- Maximum Wet Bulb:
  - 28° C (82° F)
- Minimum Dew Point:
  - 2° C (36° F)

**NON-OPERATING ENVIRONMENT**

- Temperature:
  - 10-50° C (50-122° F)
- Shock:
  - Five G's maximum in shipping package

**PHYSICAL DATA**

- Height: 14½-inches (37 cm)
- Width: 20½-inches (52 cm)
- Depth (with keyboard): 25½-inches (64 cm)
- Depth (without keyboard): 19¼-inches (49 cm)
- Weight: 70 pounds

**TIMING**

- Bus Architecture: eight slot IEEE 796 Multibus
- Processor Clock: Eight MHz
- Serial I/O Rate: 50-19,200 Baud

ANOTHER PRODUCT OF CALLAN ENGINEERING AND MANUFACTURING EXCELLENCE

Subscribing to a business philosophy of engineering and manufacturing excellence, with continuing emphasis on research and development and product marketing, Callan Data Systems is recognized as a proven leader and innovator in the computer industry.

Callan Data Systems products include integrated workstations for use with a variety of 16-bit microcomputers and an integrated line of versatile desktop computers for Distributors, OEM/Systems Integrators and volume end-users in advanced business, scientific, industrial, medical, communications, government and military applications. Callan products are sold throughout the United States, Europe and Australia.



**DATA SYSTEMS**

2645 Townsgate Road  
Westlake Village, CA 91361  
(805) 497-6837  
(800) 235-7055  
TWX 910 336 1685

UNISTAR, EasyType AND CALLAN ARE TRADEMARKS OF CALLAN DATA SYSTEMS  
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