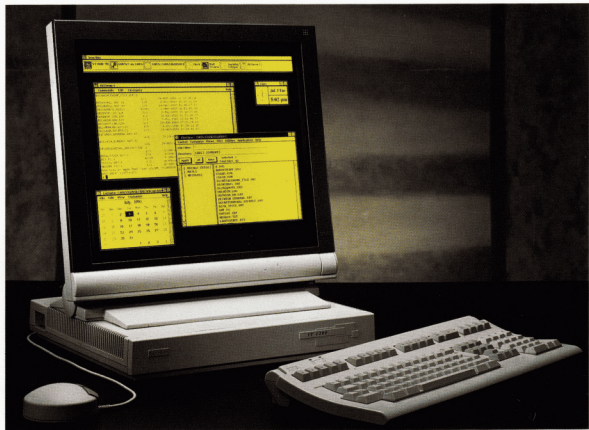


Digital's VT1200 Terminal

A Multiwindowing X Window System Terminal

digital



What It Is:

The VT1200 is Digital's high-resolution, monochrome, multiwindowing terminal.

What It Does:

The VT1200 terminal gives you access to workstation text and graphics applications without the expense of a workstation. It supports the DECwindows and X Window System™ user interfaces, so you have access to thousands of applications once available only to a workstation user. And the VT1200 can be connected to both Digital or non-Digital systems via ThinWire Ethernet.

How You Benefit:

The VT1200 terminal provides an excellent migration path from standard ANSI applications to X Window System applications. With the VT1200, you can continue to use your existing ANSI applications through the local VT320 Extended Mode emulator while simultaneously running DECwindows and X Window System applications. The VT1200 terminal enables you to take advantage of the large number of text and graphics applications that are available under the DECwindows environment.

Cover Photo:

The 19-inch VRE01 EL flat-panel monitor makes the most of valuable desktop space with its less-than-three-inch depth.

Highlights

- Runs multiple terminal, DECwindows, and X Window System applications simultaneously—running under the VMS or ULTRIX/UNIX® operating systems
- Standard ThinWire Ethernet connection supports LAT and TCP/IP communications
- Supports the DECwindows, X Window System, and OSF/Motif™ user interfaces
- 2 Mbytes of memory standard; expandable to 4 Mbytes
- Choice of a 15-inch or 19-inch monochrome high-resolution monitor with a 72 Hz refresh rate, or a 19-inch electro-luminescent (EL) flat-panel monitor with a 60 Hz refresh rate

A Combination of Terminal and Workstation Features

As Digital's new, low-cost multi-windowing terminal, the VT1200 sets a new standard for distributed computing and application integration in both single and multiple host networked environments. Designed to support the DECwindows and X Window System user interfaces, as well as providing VT320 terminal emulation, the VT1200 gives you many features previously only available to workstation users.

The VT1200 terminal provides all the display characteristics you expect in a workstation. It offers high-resolution monitors with displays of 1280 × 1024 or 1024 × 864 and a 72 Hz "flicker free" refresh rate.

The VT1200 terminal offers a number of new security features. The "customize" security window enables you to secure that window as well as all terminal manager "customize" windows. The VTE "customize" windows have an additional



The VT1200 terminal with the 19-inch, VR 319 monochrome monitor.

feature, the ability to be read only. This enables the "customize" screen to be viewable but the OK and APPLY buttons are inactive.

A pause feature enables you to blank the screen and resume sessions by entering a password. The pause password is different from the security password, enabling the terminal to be paused by a user who does not have privileges to change the customize features.

The DECwindows Environment

The VT1200 terminal supports the DECwindows graphical user interface. DECwindows is based on the industry-standard X Window System. But it is more than just an implementation. DECwindows offers enhancements to the X Window System. It provides a superior user and application development environment and gives you a consistent user interface regardless of the operating system or hardware platform.

In the DECwindows environment, standard components of the X Window System are optimized for higher performance, reliability, and faster application development. For example, DECwindows running on a VT1200 employs algorithms for faster window repositioning. Another feature enables the programmer to check errors easily and quickly. This gives the developer more flexibility and enables applications to run more efficiently.

Because the VT1200 terminal supports both the VMS and ULTRIX operating systems, it can access hundreds of X-based applications from Digital and third-party vendors. In addition to major third-party applications, DECwindows applications include easy-to-use personal productivity tools for everyday tasks such as desktop publishing, project planning, and business graphics.



The VT1200 terminal with the 15-inch, VR315 monochrome monitor.

A Commitment To Open Standards

Any application written to the X11 standard, including the OSF/Motif graphical user interface, can be displayed on the VT1200. This unique feature gives you the flexibility to perform and track multiple tasks running under VMS, ULTRIX, and UNIX systems, all at the same time.

The VT1200 supports both LAT (for VMS host systems) and TCP/IP (for ULTRIX/UNIX host systems) communications protocols via Digital's ThinWire Ethernet. With these network interfaces, you get access to systems running VMS, ULTRIX, and UNIX operating systems. Both protocols can operate concurrently on Digital and non-Digital hosts. With the VT1200 terminal, you get simultaneous access to applications from different operating systems and hardware platforms from anywhere on the network.

TCP/IP for the VT1200 terminal offers new service features to make network computing easy and efficient such as:

- TCP/IP Name Server — The name server functionality enables you to enter the IP address of a host running standard BIND name service software and subsequently have that host resolve names that the user enters.
- TCP/IP Routing Tables — This functionality provides you with easy access to hosts outside the subnet of your VT1200 terminal. Two routes can be stored in NVR and four others may be entered during a session.

Local VT320 Extended Mode

The VT1200 has a built-in VT320 Extended Mode capability. This feature enables you to view and run one or more VT text applications simultaneously. With the local VT320 Extended Mode feature, you can cut and paste between VT windows as well as other windows running X applications.

VT1200 Configurations

The VT1200 terminal consists of four key components:

- System box—Contains the terminal's logic and memory. Configured with 2 Mbytes of memory, the system box can accommodate a maximum of 4 Mbytes, added in 1-Mbyte increments.
- Monitor—Choice of three monitors: 15- or 19-inch monochrome monitors or the 19-inch electroluminescent (EL) flat panel monitor.
- Keyboard—The LK401 keyboard incorporates advanced switch technologies for performance and a low-profile, ergonomic design.
- Mouse—Standard Digital three-button mouse.

A Choice in Display Monitors

The VT1200 terminal may be configured with one of three different monochrome monitors. The VR319 is a 19-inch monitor with a 100 dots-per-inch resolution and a 1280 × 1024 screen format. The VR315 is a 15-inch monitor providing a 100 dots-per-inch resolution and a 1024 × 864 screen format. Both monitors provide a 72 Hz refresh rate.

In addition to the VR319 and VR315 monitors, the VT1200 is also available with the VRE01 EL flat-panel monitor. This 19-inch monitor offers a 1024 × 864 screen display with a 75 dots-per-inch resolution. The difference between the VRE01 and other monitors is the VRE01 uses the latest in thin-film electroluminescent technology to provide a workstation-like screen presentation. It excites each of the 850,000 pixels in the display during each scan cycle. The result is a perfect display—lines are clear and absolutely straight. And best of all, the VRE01 is less than three inches deep. So if space on the desktop is a concern, the VRE01 is the solution.

Specifications

Hardware Prerequisites

- A VMS and/or ULTRIX/UNIX system connected to an Ethernet network.

Software Prerequisites

- When only multiple VT320 windows are being used (via the local VT320 emulator), no specific version of the operating system is required.
- The requirement for a VMS environment is VMS V5.3-1 or higher. The transport protocol is LAT.
- The requirement for an ULTRIX environment is ULTRIX V3.1 and UWS V2.2. The transport protocol is TCP/IP.

Memory	2 Mbytes (expandable to 4 Mbytes in 1 Mbyte increments)
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Power Requirements

Line voltage	120 V/240 V
Voltage tolerance-RMS	88-132 V/176-264 V
Frequency tolerance	50-60 Hz
Power consumption	60 W

Operating Environment

Temperature	10°-40° C (50°-104° F)
Relative humidity	10-90% noncondensing
Max. operating altitude	2.4 km (8,000 feet)

Physical Characteristics

System Box	Height: 6.1 cm (2.38 in); Width: 39.4 cm (15.5 in); Depth: 36.8 cm (14.5 in); Weight: 5.4 kg (12.0 lb)
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Display Monitors

15-inch monochrome (VR315)	Height: 38.2 cm (15.0 in); Width: 38.2 (15.0 in); Depth: 39.6 cm (15.6 in); Weight: 14.4 kg (32.0 lb)
19-inch monochrome (VR319)	Height: 46.0 cm (18.1 in); Width: 49.5 cm (19.5 in); Depth: 40.1 cm (15.8 in); Weight: 21.8 kg (48.0 lb)
19-inch monochrome flat panel (VRE01)	Height: 39.4 cm (15.5 in); Width: 34.3 cm (13.5 in); Depth: 7.0 cm (2.8 in); Weight: 8.2 kg (18.0 lb)
Resolution (dots per inch)	100 dpi (VR315 and VR319); 75 dpi (VRE01)
Format	1280 × 1024 (VR319); 1024 × 864
Video Attributes	Reverse video, underline, bold, and blinking (can be used individually or in any combination)

Input Devices

LK401 Keyboard	Built-in angle adjustment and customer-selectable routing
Mouse	Three-button mouse, 200 pulses per inch

Commitment to World-class Service

When you buy from Digital, you're backed by one of the largest service and support organizations in the world. The high level of quality and dedication to customers, large and small, is exactly what you would expect from an industry leader. Digital offers flexible warranty and service plans tailored to meet your needs.

The Next Step Is Easy

For more information on the VT1200 terminal and Digital's service offerings, contact your local Digital sales representative, or, for pre-purchase technical assistance, call Digital's Technical Consulting Center at 800-343-4040.

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