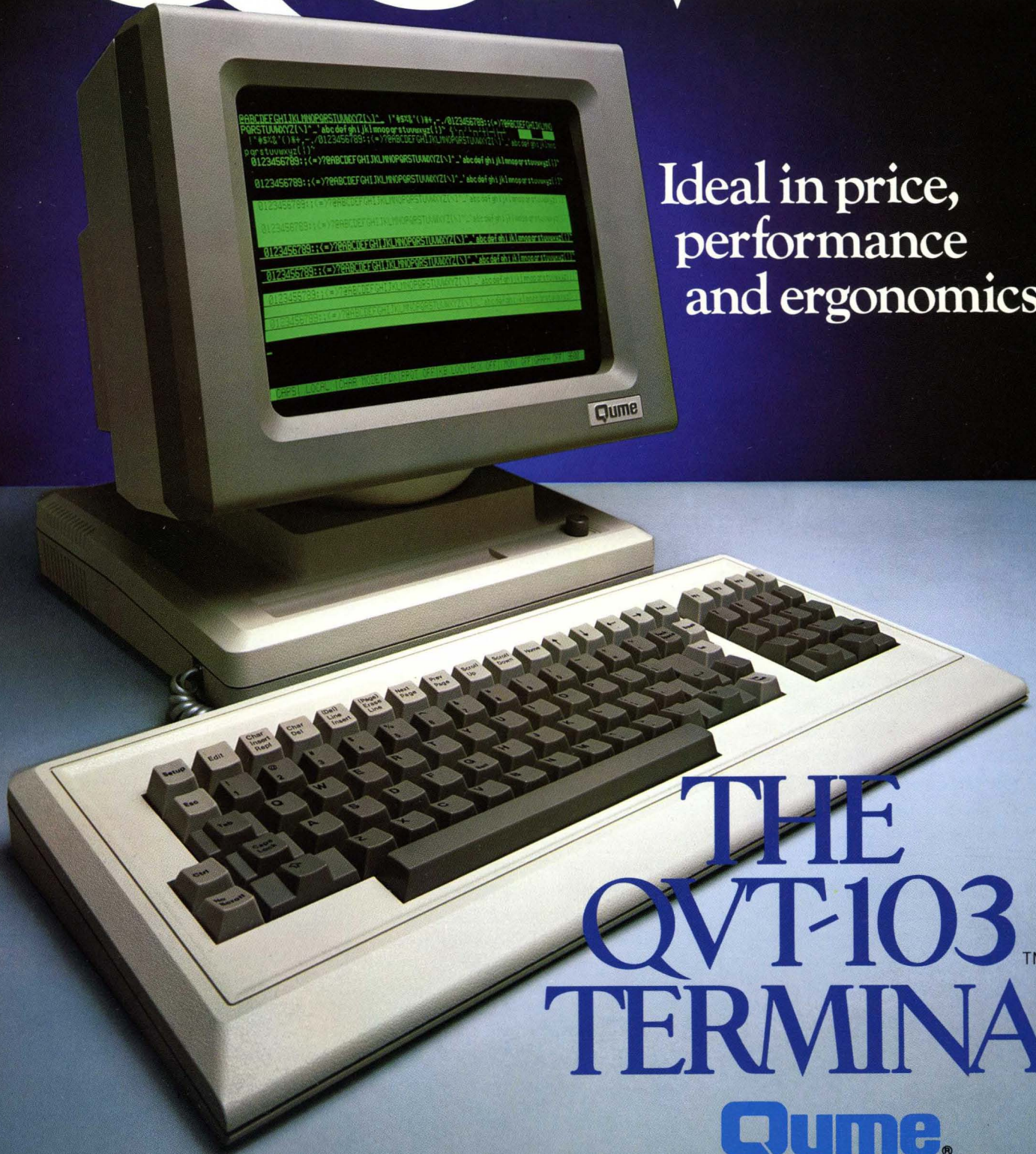


# QUME



Ideal in price,  
performance  
and ergonomics.

## THE QVT-103<sup>TM</sup> TERMINAL

**Qume**<sup>®</sup>  
A Subsidiary of ITT

# QVT-103<sup>TM</sup>

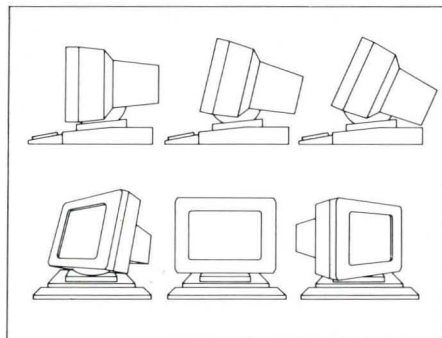
With a superior combination of features, ergonomics, and price, Qume's new QVT 103<sup>TM</sup> CRT terminal is the perfect alternative to Digital's VT100 and VT131.

The QVT 103 emulates the VT100 in every respect, providing all of its standard features plus many more: two pages of screen memory, local editing, the flexibility of *both* block and conversational modes, and operator conveniences like a 25th status line and menu set-up mode. The QVT 103 even gives you the option of an *additional* two pages of screen memory and a 20mA current loop. All this power and versatility make the QVT 103 easily interchangeable with the VT131 in most any environment.

The superior ergonomics of the QVT 103 give it the clear edge for operator comfort and convenience. Simple and compact in design, it takes up minimal workspace on a desk. It features a non-glare green or amber screen with full tilt and swivel, and a big 9 x 11 character cell to minimize eyestrain. The low-profile keyboard is detached to allow for ideal reach and hand-rest position.

Best of all, the QVT 103 is the hands-down winner for affordability. It's priced to extend your system without overextending your budget.

More features and better ergonomics for a lot less money — that's what makes Qume's QVT 103 the ideal choice for the DEC environment. Features include:



ANSI X3.64 Command Set (Digital VT100 series compatible) ♦ Block mode editing ♦ Buffered, bidirectional printer port ♦ Full modem control capability (including asymmetric) ♦ Two pages of screen memory ♦ Horizontal split screen, double-height, double-width characters ♦ Line drawing graphics character set ♦ Tilt/swivel, non-glare green screen (amber optional) ♦ 9 x 11 character cell resolution, 7 x 9 character size ♦ Detached, low-profile typewriter style keyboard with numeric pad ♦ Selectable 80 or 132 column display format ♦ 25th status line ♦ Screen-saver time out (an inactive terminal shuts off its screen after fifteen minutes with no screen data loss) ♦ 4 video attributes: blink, reverse video, underline, and bold ♦ Emulations: Digital VT100, VT52 ♦ Self test ♦ Switching power supply

## Display Format

24 lines x 80/132 characters  
25th status/set-up line

## Character Formation

7 x 9 matrix in a 9 x 11 cell

## Displayed Character Set

96 ASCII characters, US and UK  
32 special graphics

## Editing

Cursor: up, down, left, right, home.  
Character insert mode, line insert, character/line delete, erase to end of line/page, tab, back tab, next page, previous page, scroll. Split screen.

## Communications Interface

EIA RS232-C, optional 20 mA current loop

## Communications Protocol

Auto X-ON/X-OFF

## Communications Modes

Full duplex (host, modem, and asymmetric), half duplex

## Baud Rates

16 selections from 50 to 19.2k

## Auxiliary Port

Bidirectional EIA RS232-C, X-ON/X-OFF, buffered, auto print, screen copy, transparent

## Screen

Tilt/swivel, 12-inch diagonal standard non-glare green (optional non-glare amber).

## Character Attributes

Bold, underline, blink, reverse

# terminal.

The Superior ANSI X3.64 Alternative.

## Keyboard

Detached, low-profile (home row 30 mm from work surface), alpha-numeric keys, 14-key numeric pad, 4 function keys, 14 editing keys, defeatable autorepeat and key click. Print, set-up, and no-scroll keys.

## Fields

Protected, unprotected, and security

## Parity

Odd, even, mark, space, none

## Screen-Saver

Screen shuts off after 15 minutes of inactivity without data loss (defeatable).

## Screen Memory

Standard two pages (80 column) expandable to four (80 column).

## Scrolling

Step or smooth

## Set-Up Mode

Menu-style, preserved in non-volatile memory (lithium battery with 7-year life).

## Power Supply

Switching-type (low-power consumption).

## Options

14-inch non-glare screen  
Foreign character sets  
Amber phosphor screen  
20 mA current loop

## Command Set

Digital VT100 series compatible

## Emulations

Digital VT100  
Digital VT52

## Power Requirements

95-125 VAC  
200-264 VAC  
50/60 Hz

## Dimensions

Keyboard 1.5"(H) x 18"(W) x 8"(D)  
Display 14"(H) x 13"(W) x 12"(D)

## Weight

Keyboard 3 lbs., display 20 lbs.

## Command Sequences

Edit mode (DECEDM)	ESC[?10h
Interactive mode (DECEDM)	ESC[?101
Edit immediate (DECEKEM)	ESC[?16h
Edit deferred (DECEKEM)	ESC[?161
No protect (DECPRO)	ESC[0}
Bold protect (DECPRO)	ESC[1}
UL protect (DECPRO)	ESC[4}
Blink protect (DECPRO)	ESC[5}
Reverse protect (DECPRO)	ESC[7}
All off protect (ECPRO)	ESC[254}
Erase all	ESC[6h
Erase unprotected	ESC[61
Immediate trans (DECTEM)	ESC[?14h
Deferred trans (DECTEM)	ESC[?141
Set transmit state (STS)	ESC S
Transmit mode (DECXMIT)	ESC 5
Line transmit (DECLTM)	ESC[?11h
Page transmit (DECLTM)	ESC[?111
Full page (TTM)	ESC[16h
Partial page (TTM)	ESC[161

Space compres (DECSCFDM)	ESC[?13h
Space compres off	ESC[?131
Send all (GATM)	ESC[1h
Send unprotected (GATM)	ESC[11
TTC blank (DECTTC)	ESC[0
TTC FF (DECTTC)	ESC[1
TTC ETX (DECTTC)	ESC[2
TTC EOT (DECTTC)	ESC[3
TTC CR (DECTTC)	ESC[4
Auto print on (MC)	ESC[?5i
Auto print off (MC)	ESC[?4i
Printer ctrl on (MC)	ESC[ 5i
Printer ctrl off (MC)	ESC[ 4i
Print cursor line (MC)	ESC[?li
Print screen (MC)	ESC[i or ESC[0i
UK set = G0 (SCS)	ESC (A
US set = G0 (SCS)	ESC (B
SpChar = G0 (SCS)	ESC (0
AltROM = G0 (SCS)	ESC (1
AltROM SpChar = G0 (SCS)	ESC (2
UK set = G1 (SCS)	ESC )A
US set = G1 (SCS)	ESC )B
SpChar = G1 (SCS)	ESC )0
AltROM = G1 (SCS)	ESC )1
AltROM SpChar = G1 (SCS)	ESC )2
Single shift 2 (SS2)	ESC N
Single shift 3 (SS3)	ESC O
No attributes (SGR)	ESC[m or ESC[0m
Bold (SGR)	ESC[1m
Underline (SGR)	ESC[4m
Blink (SGR)	ESC[5m
Reverse video (SGR)	ESC[7m
Horz tab set (HTS)	ESC H
Horz tab clear (TBC)	ESC[g or ESC[0g
Clear all tabs (TBC)	ESC[3g
Double-height top (DECDHL)	ESC#3
Double-height bot (DECDHL)	ESC#4
Single-width (DECSWL)	ESC#5
Double-width (DECDWL)	ESC#6
Erase from cursor (EL)	ESC[K or ESC[0K
Erase to cursor (EL)	ESC[1K

Erase line (EL)	ESC[2K	Self test (DECTST)	ESC[2;1y	Save cursor (DECSC)	ESC 7
Erase scrn from cursor (ED)	ESC[J or ESC[0]	Host conn test (DECTST)	ESC[2;2y	Restore cursor (DECRC)	ESC 8
Erase scrn to cursor (ED)	ESC[1J	Modem test (DECTST)	ESC[2;4y	132 columns (DECCOLM)	ESC[?3h
Erase screen (ED)	ESC[2J	Printer test (DECTST)	ESC[2;16y	80 columns (DECCOLM)	ESC[?31
Delete char (DCH)	ESC[PnP	Loop test (DECTST)	ESC[2;9y	Auto wrap set (DECAWM)	ESC[?7h
Insert line (IL)	ESC[PnL	Host loop test (DECTST)	ESC[2;10y	Auto wrap reset (DECAWM)	ESC[?71
Delete line (DL)	ESC[PnM	Modem loop test (DECTST)	ESC[2;12y	Reverse video (DECSCNM)	ESC[?5h
Insert mode on (IRM)	ESC[4h	Printer loop test (DECTST)	ESC[2;24y	Normal video (DECSCNM)	ESC[?51
Insert mode off (IRM)	ESC[4I	Loop test (DECTST)	ESC[2;8y	CR & LF (LNM)	ESC[20h
Pull scrn (DECPEX)	ESC[?19h	Screen align (DECALN)	ESC#8	CR only (LNM)	ESC[20I
Scrolling region (DECPEX)	ESC[?191	LEDS ON (DECLL)	ESC[Ps;Ps; Ps;Psq	Lock keyboard (KAM)	ESC[2h
Ptr FF on (DECPFF)	ESC[?18h	VT-52 Mode	ESC[?2I	Unlock keyboard (KAM)	ESC[2I
Ptr FF off (DECPFF)	ESC[?18I	Smooth scroll (DECSCLM)	ESC[?4h	Auto repeat on (DECARM)	ESC[?8h
Device status (DSR)	ESC[5n	Jump scroll (DECSCLM)	ESC[?4I	Auto repeat off (DECARM)	ESC[?8I
Ready response (DSR)	ESC[0n	Set margins (DECSTBM)	ESC[Pt;Pbr	Local echo off (SRM)	ESC[12h
Malfunction (DSR)	ESC[3n	Origin set (DECOM)	ESC[?6h	Local echo on (SRM)	ESC[12I
Printer status (DSR)	ESC[?15n	Origin reset (DECOM)	ESC[?6I	Cursor appl (DECCKM)	ESC[?1h
No printer (DSR)	ESC[?13n	Cursor up (CUU)	ESC[PnA	Cursor ANSI (DECCKM)	ESC[?1I
Printer not ready (DSR)	ESC[?11n	Cursor down (CUD)	ESC[PnB	Appl keypad (DECKPAM)	ESC =
Printer ready (DSR)	ESC[?10n	Cursor forward (CUF)	ESC[PnC	Numeric keypad (DECKPAM)	ESC >
Cursor pos rqst (DSR)	ESC[6n	Cursor backward (CUB)	ESC[PnD	Suppress 25th line (QUMES2L)	ESC[30h
Cursor pos rpt (CPR)	ESC[P1;PcR	Cursor position (CUP)	ESC[P1;PcH	Display 25th line (QUMES2L)	ESC[30I
Device attributes (DA)	ESC[c or ESC[0c	Cursor home (CUP)	ESC[H	Next page (NP)	ESC[PnU
Identify terminal (DECID)	ESC Z	Horz & vert pos (HVP)	ESC[P1;Pcf	Previous page (PP)	ESC[PnV
Device VT131 (DA)	ESC[?7c	Position home (HVP)	ESC[f	Scroll up (SU)	ESC[PnS
Device VT100 (DA)	ESC[?1;2c	Index (IND)	ESC D	Scroll down (SD)	ESC[PnT
Reset (RIS)	ESC c	Reverse index (RI)	ESC M		
		Next line (NEL)	ESC e		

## Qume Authorized Dealer/Distributor

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Qume Corporation  
1754 Technology Drive  
Suite 110  
**San Jose, CA 95110**  
(408) 942-4111

Qume Corporation  
1820 East Gary Avenue  
Suite 104  
**Santa Ana, CA 92705**  
(714) 957-4040

Qume Corporation  
909 Wilmette Road  
Unit B-2  
**Palatine, IL 60067**  
(312) 991-7250

Qume Corporation  
1925 Westridge Drive  
**Irving, TX 75062**  
(214) 659-0745

Qume Corporation  
20 Mayfield Road  
**Edison, NJ 08837**  
(201) 225-5005

Qume Corporation  
19 Crosby Drive  
**Bedford, MA 01730**  
(617) 275-3200

**CANADA**  
QUME Canadian Office  
207 Place Frontenac  
PTE Claire  
Quebec, Canada H9R4Z7  
(514) 695-3837

**FRANCE**  
QUME GmbH  
Bureau de Liaison France  
20, rue Thiers  
92100 Boulogne, France  
PH: (1) 6082334

Qume Corporation  
6011 Bristol Parkway  
Suite 150  
**Culver City, CA 90230**  
(213) 410-1458

Qume Corporation  
Shamrock Park Office  
Suite 110G  
2323 South Troy Street  
**Aurora, CO 80014**  
(303) 752-3000

Qume Corporation  
5335 Far Hills Avenue  
Suite 107  
**Dayton, OH 45429**  
(513) 439-0469

**Qume**  
A Subsidiary of ITT®

Qume Corporation  
4319 Covington Hwy.  
Suite 212  
**Decatur, GA 30035**  
(404) 284-8500

**ENGLAND**  
QUME (UK) Ltd.  
1 Bridgewater Close  
Reading, Berkshire UK  
PH: 734-584-646

**GERMANY**  
QUME GmbH  
Eichestr 31  
4000 Dusseldorf 13  
West Germany  
PH: 0211743016

Qume Corporation, 2350 Qume Drive  
San Jose, California 95131