

Version 16 Now Available



Providing SSH/Telnet Solutions Around The World

The Anzio family includes **Anzio Lite**, our inexpensive emulator, and **AnzioWin**, our full-featured product. Both are thorough, reliable, and easy-to-use terminal emulation software for communications between Windows PCs and host systems running any variety of UNIX, LINUX, VMS, etc. With support for connections over **telnet**, **SSH** (Secure Shell), direct **serial** or **modems**, our software offers you a complete solution package for all your communications needs.

Product Highlights

Anzio Lite and AnzioWin

- SCOANSI, AT386, Linux Console, VT, Wyse, & other emulations
- Function keys, arrow keys, special keys
- Communicate via SSH, telnet, modem, serial
- File transfer: Xmodem, Ymodem, Zmodem, Kermit
- International support: character sets, Unicode, multiple menu languages, auto font selection
- Passthrough print support
- Toolbar, configurable by user

AnzioWin's Additional Features

- Embedded Print Wizard
- FTP & SFTP file transfer
- Key remapping
- Macro command language
- DDE, OLE, Script interface
- Image viewer
- Scanner support
- Email interface
- Local port forwarding
- Backchannel serial
- Backchannel print

Product Strengths

Accuracy

- Solid emulation of terminals

Robustness

- Complete set of features and options

Flexibility

- Adaptable and customizable

Documentation

- 236 page manual

Value

- High feature set, low cost per seat

Availability

Downloadable demo on web site

- Fully functional
- Runs for 60 days

Install license to activate

Also available

- CD, Hardcopy manual

Licensing

Per-seat license

Concurrent use license available

Cost

Anzio Lite starts at US \$40

AnzioWin starts at US \$150

Volume discounts start at 10 units

Library/Educational discount available

How to Purchase

Via website

Phone or fax

Through resellers

Reseller Program Available

Contact us for details

More Information

See website below



Rasmussen Software, Inc.

10240 SW Nimbus Avenue, Suite L9

Portland, Oregon 97223 USA

Phone: 503-624-0360 Fax: 503-624-0760 Web: www.anzio.com Email: sales@anzio.com

Anzioflyer2007.doc

Anzio Lite and AnzioWin

Windows Telnet (Terminal Emulation) Clients
Technical Description
(version 16, October 2007)

Capsule Description

Anzio Lite and AnzioWin are terminal emulation programs from Rasmussen Software, Inc. They are used in situations where a PC needs to connect as though it were a terminal to a host system running a character-based application.

Anzio (meaning both versions) emulates many common terminal types, including VT100/220/320/420, Wyse50/60, Verssys C332 and several others, as well as the SCOANSI, AT386, and Linux consoles. Connection to the host can be by SSH, telnet, rlogin, direct serial, or dial-up modem; Anzio is especially strong in its support for passthrough printing and international characters.

Anzio Lite is a very low-cost version that meets the needs of many users. AnzioWin, at a higher cost, has more features for key mapping, user macros, file transfer, programmability, and interaction with other Windows programs. AnzioWin also includes the Print Wizard logic for enhanced printing.

The Need

Many character-based applications still exist, running on various host platforms such as Unix, Linux, and VMS. These programs were written to be operated through dumb terminals, such as a Wyse 60, or through the character-mode consoles of Unix/Linux systems. To operate these programs from a Windows PC, some software must be run on the PC to emulate a terminal. That PC can then be connected to the host in a variety of ways, ranging from a short serial cable to a local area network to the Internet.

The terminal emulation program at a minimum must emulate a particular terminal correctly, including proper handling of control sequences, line-drawing characters, colors, foreign characters, special keys, etc. Beyond the basics, the user may require encrypted connections, programmability, auxiliary serial port support, mouse events, file transfer, and a variety of kinds of printing support.

An administrator who sets up terminal emulation for other users, even for public walk-up use, may need to "lock down" certain features of the emulator, to prevent the user from altering the setup.

The Solution

Anzio provides all of this, and more. It is easy to install and use, and technical support is excellent.

Operation

Either version of Anzio can be downloaded and installed from the "www.anzio.com" web site. It will install as a demo, with a 60-day lifetime, unless it is activated with a license code obtained from Rasmussen Software or through an authorized reseller.

When you start Anzio the first time, it will ask you a) what terminal type to emulate, and b) how to connect to the host (serial, telnet, etc.). Once it connects, the host login should appear. That is all. All other operating parameters are preset to reasonable values.

When you terminate Anzio, it will ask permission to save your parameters. If it does so, the next time you run Anzio it will connect automatically, without asking questions. If you need to connect to more than one host systems, there are mechanisms for doing that.

Platform Support

Anzio Lite and AnzioWin are 32-bit Windows programs, and will run on Windows 98SE, ME, NT4, 2000, XP, 2003, and Vista. Both products also run well in a Terminal Services or Citrix environment.

Licensing and Pricing

Anzio is licensed by the number of PCs on which it will be installed. There are several volume breaks. We do NOT offer an unlimited site license, because sites vary so much in size.

Anzio Lite starts at \$40 per PC. AnzioWin starts at \$150 per PC. Volume discounts start at 10 units.

Concurrent-usage licensing, update pricing, and discounts for libraries and educational users are available.

More Information

The web site at www.anzio.com contains demos of both programs, as well as price schedules, policies, order forms, an online quote generation routine, the Anzio manual, and many technical tips.



Rasmussen Software, Inc.

10240 SW Nimbus Avenue, Suite L9

Portland, Oregon 97223 USA

Phone: 503-624-0360 Fax: 503-624-0760 Web: www.anzio.com Email: sales@anzio.com

Anzio Features

As of version 16.0 Note: Many features are not included in Anzio Lite

<p>Program versions <i>Anzio Lite</i> <i>AnzioWin</i></p> <p>Windows versions <i>Windows 95 through Vista</i> <i>Windows Terminal Services</i> <i>Citrix</i></p> <p>Emulations <i>Viewpoint, Adds200</i> <i>Wyse50 & 60</i> <i>VT420, 320, 220, 100</i> <i>Anzio</i> <i>SCOANSI</i> <i>Pre-, post-5.0.6</i></p> <p><i>Linux</i> <i>AT386, AT386-IE</i> <i>C332</i> <i>Televideo965</i> <i>NCR7900</i> <i>IBM3161</i></p> <p>Terminal features <i>Colors/Palettes</i> <i>Attributes</i> <i>Blink, Reverse,</i> <i>Intensity, Underline</i></p> <p><i>Cursor styles</i> <i>Block vs. underline</i> <i>Blink on/off</i> <i>Can be set to ignore</i></p> <p><i>Protected fields</i> <i>Status line</i> <i>Multiple screens</i> <i>Window size</i> <i>80 vs. 132 columns</i> <i>Arbitrary size</i></p> <p><i>Graphics modes (line drawing, etc.)</i> <i>Special keys</i> <i>Aux port</i> <i>Passthrough print</i> <i>Downloadable key definitions</i> <i>Answerback</i> <i>Configurable backspace</i></p> <p>Types of communication <i>Telnet</i> <i>SSH</i> <i>Rlogin</i> <i>Serial</i> <i>Modem</i></p> <p>Program startup <i>Command line parameters</i> <i>Specify settings file</i> <i>Connection chooser</i> <i>Startup macro</i> <i>Macro definition</i> <i>Communication type</i> <i>Host name</i> <i>Kiosk mode</i></p> <p>Screen handling <i>Font face</i> <i>User can choose</i> <i>Typically "Courier New"</i> <i>Specify alternate fonts for international characters</i> <i>Some characters built into program as backup</i> <i>Line drawing characters</i> <i>Drawn with internal bitmaps</i></p>	<p><i>Zoomed screen</i> <i>Automatic font size</i> <i>Unzoomed</i> <i>Choose font size to set window size</i> <i>Dragging window size sets font size</i></p> <p><i>Fullscreen mode</i> <i>No title or border</i></p> <p><i>Menu on/off</i> <i>Option to track window position between sessions</i> <i>80 vs. 132 columns</i> <i>Zoom settings maintained separately</i></p> <p><i>Toolbar</i> <i>Up to 20 buttons</i> <i>Labeled with text</i> <i>Invoke command</i> <i>Trigger associated macros</i></p> <p><i>Support for multiple monitors on PC</i></p> <p>Keys and keyboards <i>Key mapping files provided</i> <i>Special keys as per terminal type</i> <i>Key definitions can be downloaded from host</i> <i>Special keys can run user macros</i> <i>NumLock can be programmed</i> <i>Caps options</i> <i>Support extended keyboards</i> <i>"Help", "Print", etc.</i> <i>PrintScreen key prints the screen</i></p> <p>Mouse support <i>Local mouse operations</i> <i>Highlighting</i> <i>Shapes of highlights</i> <i>Stream, column, wrap</i> <i>Highlight with the mouse</i> <i>Highlight with the keyboard</i> <i>Highlight can extend into scrollbar buffer</i></p> <p>Options for mouse clicks <i>Send screen data to host</i> <i>Start URL</i> <i>Copy, Paste</i> <i>Character Properties</i> <i>Execute macro</i> <i>Context menu</i></p> <p>Options for mouse wheel <i>Scrollbar</i> <i>Send arrow keys to host</i> <i>Run a macro</i></p> <p>Other mouse actions <i>Zoom screen with mouse wheel</i> <i>Drag-and-drop into Anzio</i> <i>Triggers a macro</i></p> <p><i>Mouse-to-host</i> <i>Xterm mouse codes</i> <i>VT420 mouse codes</i></p> <p>Clipboard operations <i>Copy</i> <i>Various types of highlighting</i> <i>How Anzio copies</i> <i>Text, Unicode text</i></p>	<p><i>Rich text (RTF)</i> <i>Bitmap</i></p> <p><i>Paste text to host</i> <i>With character translation</i></p> <p>International support <i>Character sets for display</i> <i>7-bit NRC sets</i> <i>8-bit (and more) character sets</i> <i>Linux-compatible UTF-8</i> <i>ISO standards</i> <i>DEC</i> <i>Windows codepages</i> <i>DOS codepages</i> <i>ASMO449 Arabic</i> <i>KOIS-R Russian</i> <i>VISCII Vietnamese</i> <i>User-defined</i> <i>Others</i></p> <p><i>Includes Chinese, Japanese, Korean</i> <i>Characters occupying two cells on screen</i></p> <p><i>Displaying special and international characters</i> <i>Automatic font selection</i> <i>Configurable</i> <i>Diacritic support</i> <i>Positioning logic for combining diacritics</i> <i>Built-in bitmaps of diacritics, as fallback</i></p> <p><i>Linedraw characters</i> <i>connect to each other</i> <i>Control over right-to-left scripts (Arabic, Hebrew, etc.)</i> <i>Character Properties feature displays information on a character on the screen</i></p> <p><i>International character input</i> <i>Paste from the clipboard</i> <i>From the keyboard</i> <i>Standard Windows keyboard entry</i> <i>Alternate Windows keyboards</i> <i>Input Method Editors (IMEs)</i> <i>Dead keys</i> <i>Numeric character entry</i> <i>Unicode character entry</i> <i>COMPOSE function</i> <i>UNICODE command</i> <i>Macros</i> <i>Works with add-on programs for Far East</i></p> <p><i>Menu and dialog languages</i> <i>English</i> <i>French</i> <i>Spanish</i> <i>Italian</i></p> <p><i>Printing international characters</i> <i>Assumed character set</i> <i>Character entities</i></p> <p>Printing <i>Types of printers</i> <i>Laser & inkjet</i> <i>Windows-only</i> <i>Dot matrix</i> <i>Receipt</i> <i>Label</i></p> <p><i>Types of connections</i> <i>Directly connected</i></p>	<p><i>Parallel</i> <i>Serial</i> <i>USB</i></p> <p><i>Networked</i> <i>Windows shared</i> <i>JetDirect</i></p> <p><i>Sources of print data</i> <i>Print Screen</i> <i>Passthrough print</i> <i>Secondary passthrough</i> <i>Backchannel printing in SSH</i> <i>Print local or networked file</i> <i>Print file from FTP or HTTP server</i> <i>Download to print</i> <i>Capture to print</i> <i>Scanner</i></p> <p><i>Print Levels</i> <i>Print Wizard (see below)</i> <i>High: use Windows printer driver</i> <i>To named file</i> <i>Spooler: send plain text or escape codes to Windows spooler</i> <i>Raw: send plain text directly to COM or LPT port</i> <i>Raw data to file</i></p> <p><i>Print Wizard</i> <i>Types of output</i> <i>Printer</i> <i>Fax</i> <i>Preset fax number</i> <i>PDF file</i> <i>Preset file name</i> <i>View after creation</i> <i>EMF file</i> <i>TIF file</i></p> <p>Types of input file <i>Plain text</i> <i>auto-fit text to page</i> <i>mini-page for labels, receipts</i> <i>linage guessing for unpaginated data</i> <i>auto rotation of wide reports</i> <i>tab expansion</i> <i>backspace overprinting</i> <i>convert to labels</i> <i>Tab-separated values</i> <i>Automatic columns</i> <i>PCL5/HPGL</i> <i>Sent directly to PCL5 printer</i> <i>Translate, for other destinations</i> <i>Escape codes (not PCL5)</i> <i>Sent directly to printer</i> <i>Print Wizard Markup Language (PWML)</i> <i>Similar to HTML</i> <i>Specify content (see Content, below)</i> <i>Global filtering with regular expressions</i></p> <p><i>Bitmap files</i> <i>GIF, BMP, JPEG, TIFF, DCX, PCX, PNG</i> <i>Image PDFs</i> <i>Print fullpage</i> <i>Rotate for best fit</i></p>
--	---	--	---

EMF/WMF
Print fullpage
SPL (Windows Spooler files)
Scanner as input
International character set support
Various character sets as input
HTML character entities
Auto-font selection
Diacritic support

Init files

Inserted at beginning of print job
Specify initial printing parameters
Margins
Font face, alternate fonts
Height and width
Linespacing
Paper size, bin
Orientation
Overlay

Content of print jobs

Overlays
PWML
PCL5/HPGL
Bitmap image
Image PDF
EMF/WMF/SPL
Scanner
Multipage
Font changes
Bitmap graphics
Rectangles & lines
Barcodes
12 linear styles
MAXICODE
PDF417

Precise positioning relative to edge of paper
Device independent

Print Preview

Adjust output format
Markup
Annotations
Sign documents on-screen

File transfer

Interactive
Point-and-shoot transfer in FTP, SFTP
Programmatic
Command-driven transfer in all protocols

Protocols

ASCII
FTP
SFTP
Kermit
XModem, Ymodem
ZModem
RTunPlus
C332

Options

Text vs. binary
Auto reception
Download destination
Collision options

Capture to printer
Capture to file
Capture screen to disk
Download to printer

Speech output

Speak the content of the screen
Speak a file
Speak literal text

Diagnostics

Scrollback (review)
Configurable number of lines

Can highlight and copy to clipboard

Interpret

Shows last 8192 received characters

Monitor

Debug communications
Debug keystrokes
Debug printing

Tablet PC (and Vista) support

Annotation in Print Preview
Mark up in color
Erase
Sign on-screen
Prints on first page or all pages
Annotate main screen
Print or email screen images with notes
Recognize shapes
Recognize gestures
Convert to keystrokes
Handwriting input
Screen rotation

Interaction with other programs

Start other Windows programs
By program name
By file extension
Control of other programs
Anzio as DDE client
Anzio as OLE client
Windows Scripting interface
Other programs controlling Anzio
Pokekey
Anzio as DDE server

Multi-session

Within one connection, such as with mscreen
Multiple Anzio sessions on one PC
Option to restrict
Ctrl-Tab to jump to next Anzio instance

POS device support

Serial device (aux) support
For pole displays, scales, etc.
One port at a time is active
Code from host can switch port
Code from host can configure port
Input only
Input-output
Diagnostics available
Multiple printers
Backchannel serial devices

Security

Authentication & encryption via SSH
Encryption of printing traffic via SSH
Passthrough print
Backchannel printing
Block commands from host
Lockdown (see below)

SSH details

Protocol versions 1 and 2
Encryptions
DES, 3-DES, Blowfish
Compression on/off
Authentication:
Password
Public/private key file

Keyboard interactive
Key generation utility included
Backchannel printing
Backchannel serial
Local port forwarding

Lockdown

Kiosk mode
Disable quit
Prevent saving settings
Allow single instance
Menu deletions

Customization

Via the settings file
Via the shortcut
Edit resources of the EXE
Private label versions available

Sound

Bell code from host
Play WAV files, etc.

Pictures

Background bitmap
Source of file
Local/network
FTP/HTTP/HTTPS
Layout
Watermark
Tiled
Picture anywhere on window
By cell
By pixel
Crop
Stretch
Text over picture
Play multimedia

Image Window

Separate sizeable window
Show image
Show PCL file
From disk
From scanner

Scanner support

Scan and save to file
Scan and print
Scan and upload
Scan and view
Scan as overlay
De-duplex
Control scanning parameters

Email client

Support SMTP, CDO, Outlook, MAPI
Email generated PDFs, TIFs

Call center functions

Dial a number from the screen
Manipulate number first
React to incoming calls
Run macro
Caller-ID

Anzio commands

Over 350 commands
Where they can come from:
Entered at keyboard
Host commands
Macros

User Macros

Sequences of commands
Can be created or recorded
Attached to key names
Initiated by:
Special key
Events
Mouse actions
Toolbar buttons

Startup

Actions:

Send characters to host
Wait for host actions
Pause for user input
Run Anzio commands
Call other macros

Vendor support

filePro
AcuCobol
Dynix
Innovative Interfaces
Per-seat licensing
BBx
Universe/Unidata

Automatability

Login Wizard
Auto connect on/off
Options for reacting to line drop
Macros to run on certain events
Startup
Connect
Login
Wakeup
Idle
Host (passthrough) print
Beep
Drag and drop
Incoming phone call
Quit

Running from a browser

Register as telnet and SSH client
Download-execute
Run EXE from a web server
Specify critical parameters in EXE name
Get settings file from server
Get keys file from server

Network options

Connect on startup
Options on connect
Retry timer
Environment variables sent to host (ssh, telnet)
Send window size to host
On Line drop
Options for how to behave

Stayalive
Proxies

SOCKS support

Installation and deinstallation

Standard Windows installation procedure
Easy uninstall
Easy update to later version

Miscellaneous

Block hibernation
Block screensaver
Ctrl-C, Ctrl-V
Send to host, or copy & paste
Winprint – tell Windows to print a file, by extension
Calculator
Ctrl-backspace = delete word left
Calculator