



The market compared to Twin Client:

Connect’s Feature & Functionality Advantage

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Introduction

In this document, Connect's PowerNet Twin Client product is evaluated.

The following is a general overview of where we clearly lead. We have an extensive feature list, a device management suite of products - Mobile Device Manager - that competes rigorously with other products, a strong V7 for older O/S's, and the widest range of supported terminals on the market.

The features and the advantages that Twin Client offers are discussed below.



Extensive Feature List

- **Keyboard End Session Key**
- **Keyboard Auto Send Key**
- **Keyboard Key Click** (On/Off)
- **Keyboard Case Conversion** (None, Lower, Upper)
- **Keyboard Mapping with Graphical Tool**
- **Keyboard Macro**
- **Keyboard Mode** (Char, Block)
- **Keyboard Auto EOF** (3270 only)
- **Keyboard Field Clear** (3270 only)
- **Keyboard Serial Input** (Serial scanners, Scales, and RS232 devices)
- **Keyboard Scanner Attribute Key** (3270 only)
- **Last Field Option** (3270 only)
- **LXE Display Extension Support**
- **Display Quadrant Mode** (Off, On, Soft, Hard, & Lock)
- **Display Scroll Mode** (Full or Half Screen)
- **Terminal Messages Language Selection** (English, Danish, French, German, Spanish, Swedish, or User-created)
- **Display Cursor** (Off, Hard, Soft)
- **Display Mapping Feature**
- **Dialog Language** (Full featured scripting language with graphical Syntax builder)
- **Display Relocation Feature**
- **Display Reverse Video** (On, Off)
- **Display Wait Indicator** (On, Off)
- **Default Data** (On, Off)
- **Display Font Size** (Point Selection)
- **Display Font** (Normal, Double Hi, Double Wide)
- **Display Font Bold** (On, Off)
- **Display Attribute Mask** (Bold, Dim, Underline, Blinking, Reverse, Hidden)
- **Block Mode Auto Field Mask** (Bold, Dim, Underline, Blinking, Reverse, Hidden)
- **Display Blink Mode** (Bold, Dim, Underline, Blinking, Reverse, Hidden)
- **Scanner Send Key**
- **Scanner “Scan Ahead”**
- **Scanner Length Check** (On, Off)
- **Scanner Truncation** (On, Off)
- **Scanner Stripping** (Off, Space, Underscore, Both)
- **Binary 128** (On, Off)
- **Scanner Data Mapping** (Scan-able Keys)
- **Scanner Decoder Control**



- **Host based Decoder Control**
- **Scanner Data Editor** (With Graphical Development Tool)
- **Scanner Selection Type**
- **In-Terminal Diagnostic Logging** (6 Groups each with 9 Levels of Detail)
- **Radio Timer** (Set Radio Timer in Seconds)
- **Power Off Timer** (Set Power Down Timer in Seconds)
- **Auto Backlight Timer** (In Seconds, 0=Off)
- **Session Keep Alive Feature** (Key Value and Time to Sends)
- **Collection Timer** (Block Mode Optimizer in Milliseconds)
- **Alarm Mode** (Off, Bell, Flash, Both)
- **Alarm Volume** (Hi, Lo)
- **Alarm Duration** (In Milliseconds)
- **Alarm Frequency** (In HZ)
- **Alarm Allow Multiple** (Yes, No)
- **Scan Tone Duration** (In Milliseconds)
- **Scan Tone Frequency** (In HZ)
- **Alarm Alternate by Row and Col**
- **Alarm by Attribute** (3270 only)
- **Alarm by Protected** (3270 only; On, Off)
- **Alarm by Un Protected** (3270 only; On, Off)
- **Printer Test and Initialization Feature**
- **VT Printer Support**
- **Serial Printer Support**
- **IrDa Printer Support**
- **IBM Flag Byte Printer Support**
- **IBM Escape Word Printer Support**
- **Printer Data Conversion Support**
- **LXE Printer Extension**
- **Printer Character Conversion**
- **VT Answerback Support**
- **IBM Extended Command Support**
- **IBM 3270 MDT Support** (Send MDT's, Do Not Send MDT's)
- **IBM 3270 Send Null Support** (Send Nulls, Do Not Send Nulls)
- **IBM TN3270E Support** (On, Off)
- **Auto Persistence for CE Clients**
- **Windows-based Configuration Tool**
- **Windows-based Loading/Deployment Tool**
- **Windows-based Terminal Management Tool**
- **Support for New Environment Setting** (LU Names and Workstation ID's) with built in management function
- **Code Page Support for VT and IBM Emulations**



- **Double Byte Support for VT Emulation** (Code page is manufacturer installed)
- **Double Byte Support for TN5250 Emulation** (Code page is manufacturer installed)
- **Auto Run Client on Startup** (On, Off)
- **Hide Task Bar** (Yes, No)
- **Use GUI Menus** (Yes, No)
- **Serial Scanner Support**
- **Server Transfer Feature**
- **Proxy OpenAir Server Mode of Operation** (The other half of Twin Client)
- **Host Server List Management**
- **DNS Host Name Support**
- **Configuration “Wizard”**
- **PC based Online Manual**
- **Version Checker**
- **Software Integrity Tester**
- **Twin Client supports a manufacturer’s ENTIRE product line, not just CE devices.**
- **Built in License Management Tool**
- **Staging Support for OEM Factory Loading**
- **Multiple Emulation’s Either Similar or Dissimilar**
- **Auto Login Feature**
- **Telxon VT Extensions**
- **VT 132 Col Support**
- **Auto 7/8 Bit Support**
- **Auto Local Echo Support**
- **Automatic Re-connection**
- **Dynamic Cursor View Modes**
- **Legacy Extensions**
- **Screen Panning**
- **Color Schemes**
- **Integrated Demo Modes**
- **Simulated Host mode for product DEMO**
- **Twin Client Touch Screen Keyboard**
- **In-Terminal Setup**
- **Sleep Delay on Startup and Resume** (Allows terminal wait for RF to associate)
- **Horizontal and Vertical Display Scroll Bars**
- **Touch Screen “Drag Screen” Support**
- **In Terminal Help file**
- **Password Protect of Configuration**
- **Touch Features** (Double tap for Enter, Horizontal and Vertical Panning, Cursor Positioning, Function Key Hotspots, Menu Item Hotspots, IBM Hotspots, VT Hotspots)



- **Display Re-Formatter Feature** (With Graphical WYSIWYG Developer Tool)
- **The following Mobile Device Manager Features...**
 - **AirLoader Feature**
 - **Screen Watcher Feature** (With Auto font size)
 - **Terminal Messenger**
 - **Find and Identify Feature**
 - **Icon Bar Host Status**
 - **Icon Bar RF Signal Strength**
 - **Icon Bar Battery Life**
 - **RF Monitor UDP Mode Diagnostic Support**
 - **RF Monitor TCP/IP Mode Diagnostic Support**



Mobile Device Manager

Mobile Device Manager is a device management suite of products that competes strongly with other products on the market. It is an add-on package for Twin Client that provides the following features:

Airloader enables you to load, configure, manage, and authorize terminals centrally over the RF link. You can do this immediately or schedule a download for a group of terminals for a specific time. You can even switch terminals to OpenAir server mode remotely.

Screen Watcher lets you view your terminal’s screen on the PC, see exactly what the terminal operator is seeing, and modify your font settings. This feature operates in real time and is very useful for diagnostic and training purposes.

Terminal Messenger is a handy way to send any text message to any terminal or group of terminals.

RF Monitor is a powerful tool used to view a log of your terminal’s activity, search for pieces of information in your log, set maximum log file size, set debug levels, and capture terminal debug logs over the air.

The **Find** feature enables a terminal to make an audible alarm so that the terminal can be heard and located within the facility.

The configurable **Identify** feature enables you to track the last user of a hand held terminal in the event that it is lost.

The **Menu Bar** feature provides power status icons, radio association icons, and link reception icons on the Windows-based* terminal screen.

*Pocket PC 2003 and later, and Windows CE 4.2 and later



Strong V7 for Older O/S's

PowerNet 7.0 has easy licensing.

Licensing with PowerNet 7.0 is simple. We have easy online access to licensing with step-by-step online help. For release 6.0, we have individual licensing for single terminals and site licensing for multiple terminals for 6.0. For 7.0, we enable the user to authorize an individual terminal, authorize a site, obtain a replacement authorization code, add a license to an already site-licensed Twin Client manager, transfer a license, look up PowerNet authorization codes, look up individual authorization codes for a site-licensed Twin Client, and retrieve a system ID.

PowerNet 7.0 has better LU/Workstation ID management.

PowerNet 7.0 has a built-in management function that allows you to create named variables, create common settings, create terminal specific settings, change and delete settings, save new environ settings, define the TN3270E negotiation, and define the new environ negotiation. The New Environ Telnet extension, also known as Workstation ID, is a mechanism for providing named variables with values to the host system via a Telnet negotiation at the beginning of each terminal session.

PowerNet 7.0 enables creation of variables that are applied to all terminal configurations. Variables can be created that apply only to specific terminals (indicated by IP address) or that apply to all terminals.

With PowerNet 7.0, you can create common settings and create terminal specific settings and save and send them to the terminal. Variable names and their values can be modified or deleted by clicking on the variable in the list window. You can also save the new environ settings.

With PowerNet 7.0, you can define the TN3270E negotiation (3270 emulation), permitting the transfer of some of the TN3270E Sub-negotiation variables such as “Lunames” from the Telnet terminal to the host during session initialization. You can also define the New Environ negotiation (5250 and VT emulations), permitting the transfer of environmental variables from the Telnet terminal to the host during session initialization.

PowerNet 7.0 supports code pages.

PowerNet 7.0 supports double byte code pages for both 5250 and VT emulations. (This requires that the double byte code page be provided by the manufacturer.)



PowerNet 7.0 has a persistence feature.

PowerNet 7.0 has an Auto Persistence feature for CE Clients. PowerNet CE is designed to be persistent, survive, and reinstall itself after power loss and warm/cold terminal reboots.

This feature requires no operator action and is done automatically by the Twin Client manager when it loads terminals. It does not use or require a separate “Persistence Manager”.

It also has the ability to produce standard CAB files, if you elect not to use this feature.

PowerNet 7.0 has diagnostic tools.

PowerNet 7.0 has a variety of feature-rich diagnostic tools. Over-the-Air Downloading enables you to send files from Windows to your terminal. Screen Watcher lets you see exactly what the terminal operator is seeing in real time. Terminal Messenger is a handy way to send messages to wireless terminals. RF Monitor is a powerful tool for debugging networks and applications. The Identify feature logs the operator who last used the terminal. The Find feature locates missing terminals within the facility. The Server Transfer Feature enables you to send object editor and configuration files from Windows to your OpenAir Linux Server.



Conclusion

It is clear that, compared to the market, Connect’s PowerNet Twin Client product is unequalled.

Twin Client has more features and options than its competitors’ equivalents. Twin Client also has a significant advantage over competitors’ products in terms of functionality. Additionally, Connect has the widest range of supported terminals on the market.

The evidence shows that the easy and powerful PowerNet Twin Client tool is the obvious choice.