

# 3780/2780 BSC/ RJE Emulation for Microsoft Windows® PCs plus Linux®, AIX®, Solaris®, and FreeBSD Unix Platforms

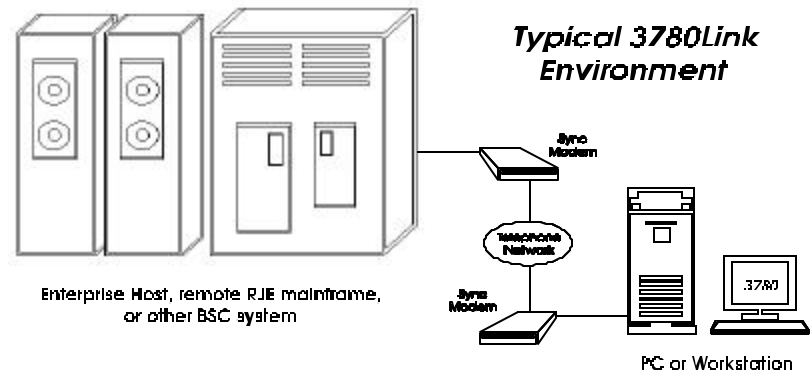


## Use 3780Link when your needs call for:

- BSC Remote Job Entry (RJE)
- ATM machine connectivity
- Point-of-Sale Interfacing
- Electronic Data Interchange
- Electronic Funds Transfer
- Clearing House Transactions
- Insurance Claims Filing
- Mainframe File Transfer
- Remote Data Collection
- Other 3780 emulation needs

# 3780Link™

## IBM 3780/2780 BSC/RJE Emulation



3780Link™ provides full-featured IBM 3780/2780 BSC/RJE terminal emulation for a variety of computing platforms. You can use the intuitive menus for interactive operations or take advantage of the powerful script language for automated, unattended sessions. 3780Link is configurable for virtually any 2780 or 3780 environment.

### Menu-Driven Interactive Interface

The 3780Link user interface utilizes pull-down menus and prompts; the Windows versions add toolbar buttons and context sensitive help. There are no confusing, cryptic commands to type in when using 3780Link.

### Scripts for Unattended Operation

3780Link's script language commands automate the functions of 3780Link menus. There are commands for looping, branching, and error control. There's a command to run external processes, and others that permit programmatic control from a user-written application. Auto-dial, auto-answer, and time-activated commands are available.

### Integrated Environment

Within the 3780Link environment you can connect, disconnect, send and receive files. Configuration settings are saved and automatically restored each time you connect. Current session statistics can be viewed instantly. Real-time status windows are visible during file transmission and reception. (Use

this environment to create and test scripts for later use during unattended operation.)

### Comprehensive Log File

After a script has run, review a session by viewing 3780Link's log file, which records all commands, messages, and command results.

### Application Integration

For developers, script sessions can be invoked from and controlled by your application to integrate file-oriented BSC connectivity into your custom applications or you may opt to use Serengeti's separate record-oriented BSCLIB API product for even tighter control.

### 3780Link as an NT Service

3780Link be installed as an NT Service on Windows NT, 2000, and XP. This permits automatic loading of 3780Link on system startup and completely unattended operation.

### Multiple BSC/RJE Ports

3780Link supports multiple BSC sessions using SyncPCI and SmartSync/DCP intelligent multiport communications co-processor adapter(s). Up to 48 simultaneous, independent sessions from a single PC are supported.

### Multiple Platforms

3780Link menus, script language, and the optional API, provide a consistent interface spanning Windows PCs and many Unix operating systems.

## Basic Features

- Easy setup and configuration
- Save and use multiple configuration files
- Phone directory for frequently dialed hosts
- Up to 56K bps over dial-up or leased lines
- Detailed log file with date and time stamps
- Real-time session statistics
- Line trace for monitoring and diagnostics
- Auto-dial with UDS, V.25bis, SADL, and the AT (Hayes) command set modems
- Auto-answer with most modems
- Up to 48 BSC ports on a single system

## Script Language

- Execute scripts from the command line, batch files, parent processes, or the 3780Link menu
- Supports unattended operation
- "Hot-reader" feature to send files automatically
- Execute external processes and evaluate results
- Accept commands from a client process
- Command line parameter substitution
- Call scripts from within scripts
- Time-activated commands
- Branching and looping commands
- Extensive result codes and error testing

## RJE Server Functionality

- Load 3780Link as an 3780 RJE server
- Submit commands to 3780Link from user programs (via Windows DDE; or named-pipes interface on Unix platforms)

## 3780/2780 BSC Features

- Complete IBM 3780/2780 BSC/RJE emulation
- Point-to-point bisync protocol
- Automatic ASCII - EBCDIC translation
- Vertical Forms Control (VFC) recognition
- Device selection support
- Supports half- or full-duplex modems
- Space compression and expansion (3780)
- Space truncation and expansion (2780)
- WACK, RVI, and TTD support
- Transparent text mode support
- Terminal identification support
- CRC-16 error checking

## Enhanced BSC Features

- Receive files to console, printer, or disk
- Binary file mode to send and receive non-text files
- Automatic concatenation of outbound files if desired
- Ability to strip VFC and device selection sequences
- Communication buffers up to 4K bytes
- Configurable ASCII - EBCDIC translation tables
- Configurable inbound record separator recognition
- Configurable suppression of outbound record separators

## Optional Programming Interface (BSCLIB™)

- Record-oriented Application Programming Interface (API)
- High-level, record-oriented BSC communications routines
- Use with C, C++, Java, Visual BASIC
- Portable across all supported platforms

## Connection Options

- Hayes Optima Business Modem in AutoSync mode (no sync adapter required; most economical option where feasible)
- Serengeti SyncPCI™ single-port sync adapter (requires synchronous modem from Serengeti Systems or 3rd party)
- Serengeti SmartSync™/DCP intelligent 8-port sync adapter (requires synchronous modem for each enabled port; modems available from Serengeti Systems or 3rd party)

## System Requirements

- Pentium or Athlon PC (or compatible)
- IBM RS/6000 or Sun Sparc
- Windows 98 / NT / 2000 / XP, Linux, AIX, Solaris, FreeBSD

## It's Easy Doing Business With Serengeti Systems

- 3780Link "look & feel" demo program available
- Printed 3780Link documentation provided at no additional cost
- Technical support library on [www.serengeti.com](http://www.serengeti.com)
- Development services for your custom applications

### RISK-FREE GUARANTEE!

If you are not completely satisfied with any Serengeti product, return it within 30 days of purchase for a refund of your purchase price.

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**SHIPPING & HANDLING:** All pricing is FOB Serengeti's facility in Austin, Texas. Shipping options include Airborne Express, Select, or Two Day service. Federal Express, Emery, or other service upon request. Call for shipping and handling charges.

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**NOTICE:** All product specifications, terms, pricing, and availability are subject to change without notice.