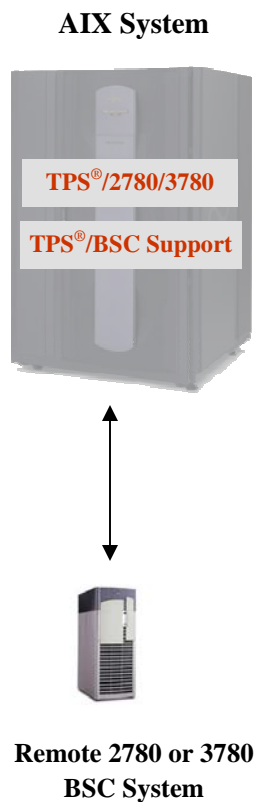


TPS®/2780/3780 (*Binary Synchronous Communications*) allows an IBM® AIX® system to exchange data with other systems using the 2780/3780 batch mode communications protocol. While conforming to published 2780/3780 specifications, this software product contains many additional features for ease-of-use and enhanced functionality. TPS®/2780/3780 (BSC) is a reliable, time-proven product in production at locations throughout the world.

TPS®/2780/3780 (BSC) is a command line-driven application that can be executed by a user or automated -- via shell scripts and/or other user programs. Multiple program copies can execute concurrently on a single machine.



PRODUCT POSITIONING

TPS®/2780/3780 (BSC) is an ideal solution for either:

- Allows an IBM® AIX® system to communicate with legacy 2780/3780 BSC systems
- Porting legacy 2780/3780 BSC applications onto an IBM® AIX® system

HIGHLIGHTS

- ✓ Supports both RS-232 or V.35 connections
- ✓ Supports switched and leased lines
- ✓ Supports V.25 auto-dial
- ✓ Supports EBCDIC or ASCII control characters
- ✓ EBCDIC to/from ASCII translation option
- ✓ Supports VRC/LRC (ASCII) or CRC16 (EBCDIC) error checking
- ✓ Supports user-defined translation tables
- ✓ Supports transparent data
- ✓ Supports standard 2780/3780 blank compression
- ✓ Can transfer multiple files with a single command
- ✓ Supports external clocking up to 56Kb
- ✓ User-definable time-out and retry values
- ✓ BSC block sizes up to 4090 bytes
- ✓ Allows multiple records per BSC block
- ✓ Supports variable or fixed size records
- ✓ Can execute scripts between file transfers
- ✓ Option of automatically padding records
- ✓ Option to automatically add record separators
- ✓ Multiple program copies can execute simultaneously
- ✓ Provides a trace facility for logging activity and simplified problem determination
- ✓ From [TPS® Systems](#) — with 25+ year tradition of excellence in providing network software and support for large global enterprises

TPS®/2780/3780 along with TPS®/BSC SUPPORT allows a system to exchange data with other systems using the 2780/3780 batch mode communications protocol.

Protocol Support

2780/3780 (BSC) currently supports the 2780 and 3780 batch file transfer protocol in both EBCDIC and ASCII. Those subsystems can provide:

- Standard 2780 and 3780 batch file transfer protocol
 - Single or multiple records per block
 - Standard IRS character recognized
 - Standard blank compression
- EBCDIC
 - 8-bit data/no parity
 - Transparent 8-bit data
- ASCII
 - 7-bit data/odd parity
 - Transparent 7-bit data

When used with the prerequisite software and hardware described below, TPS[®]/2780/3780 (BSC) can handle the transmission of files to and from a remote 2780 or 3780 BSC station. It, along with TPS[®]/BSC SUPPORT, will handle all necessary standard protocol handshaking.

V.25 Auto-dial

TPS[®]/2780/3780 (BSC) allows the application to submit a V.25 auto-dial command to a V.25-capable modem when starting a connection. This allows the application to connect to different locations simply by changing the phone number in the auto-dial command string.

Communication Co-processor Card Support

- Supports multiple ARTIC960Hx cards per system.
- Supports multiple ports per adapter.
- Allows other protocols (i.e.; SDLC, ASYNC) to be used on other ports of the same adapter.
- Maximums:
 - Line Speed: 56 Kb
 - Frame Size: 4,090 bytes



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[Contact Us](#)

RELATED PRODUCTS

[TPS[®]/3270 \(BSC\) Host](#) : API allowing an application to control a 3270 BSC line terminal or printer session

[TPS[®]/3270 \(BSC\) Controller](#) : API allowing an application to emulate an 3270 BSC line terminal or printer session

EVALUATION LICENSES

Evaluation copies of TPS[®] software products are available for a pre-specified timeframe under the terms and conditions of the single-page TPS[®] Evaluation Agreement.

OPERATING ENVIRONMENT

Operating System:

- IBM[®] AIX[®] for IBM[®] pSeries (32-bit)

Other Requirements:

- An IBM[®]/RadiSys ARTIC960Hx co-processor card and device driver
- [TPS[®]/BSC Support](#)