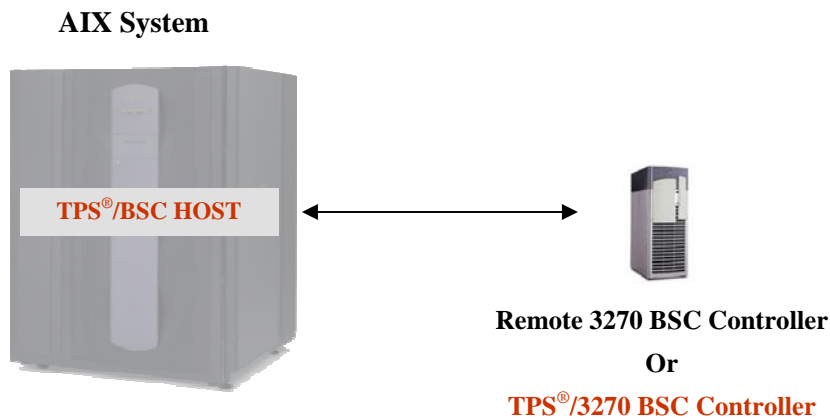


**TPS®/3270 BSC HOST** is an API which supplies a set of C functions allowing an application to control a 3270 Binary Synchronous Communications line terminal or printer session on an IBM® AIX® system. The BSC protocol may be either ASCII or EBCDIC. The API contains the basic open, close, read, and write facilities for control of a real or emulated 3270 BSC device. The product also has the ability to communicate with multiple controllers on a multipoint BSC line.

Designed to be used multiple times on a single machine, TPS®/3270 BSC HOST uses a shared library that can be accessed by multiple programs on a single machine. It can be used to handle multiple BSC ports on the same synchronous adapter or on multiple adapters. There is no logical limit placed on the number of ports accessed by the TPS®/3270 BSC HOST product. Also, TPS®/3270 BSC HOST does not take control of the entire adapter if it has more than one port. The other ports may be used for other types of communications such as SDLC or ASYNC lines.



## HIGHLIGHTS

- ✓ Designed for point-to-point and multipoint connections
- ✓ Simple device API with no BSC knowledge necessary
- ✓ 32 controllers per connection
- ✓ 32 devices per controllers
- ✓ Switched or leased line supported
- ✓ EBCDIC or ASCII control character support
- ✓ Transparent data capability
- ✓ Multiple synchronous adapter support
- ✓ Shared library support – easily upgradable without relinking or recompiling
- ✓ Proven solution – in production throughout the world
- ✓ From [TPS® Systems](#) — with 25+ year tradition of excellence in providing network software and support for large global enterprises

## PRODUCT POSITIONING

TPS®/3270 BSC HOST is an ideal solution for either:

- Creating applications to communicate with legacy 3270 BSC controllers along with their attached terminals and printers.
- Porting legacy host applications to an IBM® AIX® system.

*Do you need to control a 3270 BSC line terminal or printer sessions? TPS®/3270 (BSC) Host can provide this functionality.*

### Protocol Support

TPS<sup>®</sup>/3270 BSC HOST currently supports both EBCDIC and ASCII protocol support. Those subsystems can provide:

- EBCDIC
  - 8-Bit data/no parity
  - Transparent 8-Bit data
- ASCII
  - 7-Bit data/odd parity
  - Transparent 7-Bit data

The TPS<sup>®</sup>/3270 BSC HOST line driver, along with [TPS<sup>®</sup>/BSC SUPPORT](#), the device driver and synchronous adapter, can handle inserting and removing BSC control information allowing the application to just handle the 3270 data. Also, the support will handle all necessary standard protocol handshaking. The application only has the responsibility to format its own outgoing 3270 messages and handle the incoming 3270 messages.

### Adapter Support

- ARTIC960Hx
- Multiple ports per card supported
- Multiple cards per system supported
- Allows other protocols (i.e.; SDLC, ASYNC) to be used on other ports of the same adapter
- Maximums:
  - Line Speed: 56 Kb
  - Frame Size: 4090 bytes



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### RELATED PRODUCTS

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

[TPS<sup>®</sup>/2780/3780](#): Allows an AIX<sup>®</sup> system to exchange data with other systems using the 2780/3780 batch mode communications protocol.

### EVALUATION LICENSES

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

### OPERATING ENVIRONMENT

#### Operating System:

- IBM<sup>®</sup> AIX<sup>®</sup> for IBM<sup>®</sup> pSeries (32-bit)

#### Other Requirements:

- An IBM<sup>®</sup>/RadiSys ARTIC960Hx co-processor card and device driver