



TPS® / NTM

TPS®/Network Transaction Manager by TPS® Systems

DATA SHEET

TPS®/NTM (Network Transaction Manager) is a highly configurable system that provides a backbone for processes such as forwarding transactions for credit authorizations, performing a central database query, real time messaging between applications, and message broadcasting to applications. TPS®/NTM is a proven real time messaging and transaction integration tool for retail establishments and other business systems.

TPS®/NTM allows any number of applications to attach through a simple programming interface and send messages or transactions. TPS®/NTM is able to recognize transactions by their content and then route them to their appropriate destination without the help of the user application. Through the use of content-based routing, the application does not have to concern itself with transport specific information.

An application wishing to utilize the NTM framework will link to the NTM Client API. On the opposite end, user-supplied Transaction Processing Modules (TPMs) on the TPS®/NTM Server can provide functionality from credit card authorization to shared database lookup.

HIGHLIGHTS

- Real-time point-to-point messaging
 - Route Credit Authorization from POS to third party applications
 - Route Messages to and from Home Office or store applications
 - Broadcast Messages to all sites
- Trickle messages to free up bandwidth
- Message broadcasting
- TCP/IP, SNA, Bisync, Async Host Connections
- Monitor and configure Client and Server activity using JAVA-enabled browser
- Multiple OS platforms
- Multiple switch server capabilities

Since new modules may be developed and interfaced with the system at any time, your company's needs can be quickly integrated into an NTM solution.

▶ TPS®/NTM Client API

TPS®/NTM Client API allows user applications to attach to the NTM system. Available in JAVA or C, this API consists of simple open, close, read, and write routines for allowing transactions to be sent to the NTM Server.

▶ TPS®/NTM Client

TPS®/NTM Client establishes a TCP/IP connection to a NTM Transaction Server if one is not currently available. It will deliver the transactions to the server program, wait for the transaction response messages (from the server), and then give the response messages back to the application that originated the transaction message.

▶ TPS®/NTM Server

TPS®/NTM Server accepts TCP/IP connections from one or more NTM Clients. The NTM Server will then optionally convert the transaction and route it to the appropriate Transaction Processing Module (TPM).

▶ TPS®/NTM GUI Interface

TPS®/NTM GUI Interface allows the user to remotely administer, configure, and monitor the entire system via a JAVA-enabled web browser.

▶ NTM Transaction Processing Modules (TPMs)

NTM Transaction Processing Modules (TPMs) execute on the NTM Server and establish a connection to the transaction host, send the transaction message via a predefined protocol (SNA, BSC, TCP/IP, etc.), wait for a transaction response message, and then give the transaction responses back to the NTM Server.

▶ TPS®/NTM Director

TPS®/NTM Director accepts TCP/IP connections from one or more NTM Clients. The director will notify the client of the best server connection available. This decision is based on server load and setup/configuration of the NTM Server.

OPERATING SYSTEMS SUPPORT

TPS®/NTM Server and Client:

- Linux® for IBM® pSeries (64-bit), Intel®/AMD® (32-bit), Intel® Itanium (64-bit)
- Windows® NT (Service Pack 6 or greater)
- Windows® 2000
- Windows® 2003
- Windows® XP

Additional NTM Clients:

- Windows® 98

Pure JAVA Client and API available on JAVA-enabled platforms

BENEFITS

- Enables dependable, fully automated movement of data and transactions among multiple delivery channels and disparate systems thereby helping organizations to lower their total cost of information sharing.
- Allows organizations to have a competitive advantage as the change towards real-time connectivity and interactive communications progresses
- Provides potent and efficient management and conversion of data communication
- Specially designed to support high throughput transaction processing requirements for various core processing applications, business functions, web, and e-Commerce initiatives
- Enables organizations to migrate to newer technologies while preserving their investments in existing hardware and software
- Offers unparalleled performance, reliability, high availability, security, and scalability to handle many critical enterprise-wide computing endeavors
- Proven server/client architecture supports diverse network communication environments, standards-based open systems platforms, and strategic host connections
- Intelligent browser-based management, monitoring, configuration, and reporting capabilities provide for effective deployment, administration, and ease-of-use.

TPS®/NTM can act as the backbone for applications such as:

- Claims processing
- EDI (Electronic Data Interchange)
- Remote monitoring for industrial systems
- Medical practice management
- Facility management and monitoring
- Inventory control
- RFID integration
- EFT (Electronic Funds Transfer) - POS traditional, mobile, wire, and ACH (Automated Clearing House)
- CRM (Customer Relationship Management)

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.