

KeyTMS suite is a solution which includes 5 modules and can be implemented together or separately:

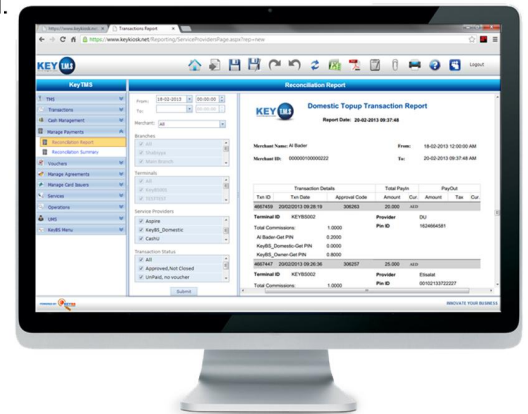
1. Terminal Management System Drive.
2. Middle Ware.
3. Web Portal.
4. E-Voucher.
5. Data Base.

System Technology :

1. The TMS is developed on Microsoft .Net Framework 4.0 and C# as the front end.
2. The back end of the application is developed MSSQL Server.
3. The application uses Triple DES encryption.
4. The communication to the server is made through web services.
5. We are using ISO 8583 as a standard messaging protocol.

Web Portal Main Features and Capabilities:

1. Operations.
2. Customer Care.
3. Business Analysis and Reporting.
4. User Management.



FUNCTIONALITIES :

1. Manage Merchants, Branches and Terminals.
2. Manage Services, Products, Agreements and wallets .
3. Cash & Session Managements.
4. Customer Care (Transaction Tracking and Voucher Tracking).
5. Terminal Management and Control.
6. Pin Loader.
- 7.. Business Analysis and Reporting (Reconciliation, Cash Pins, Transactions, Performance ... etc.).
8. User Management.

Server

- The solution supports virtualization and can be deployed on virtual servers
- The solution supports having the application layer and the data access layer running on the same or separate servers
- Key Exchange is available between server and terminals
- Messages are totally encrypted between the modules
- Encryption keys depend on three layers (terminal key, zone key and master key)
- All terminals are connected to the server through secured internet connection
- The solution can be clustered on virtual servers or separate servers

Database

- The Database and application server can run on same or different server.
- All pins are encrypted in the database
- Database performance is monitored via SQL server profiler
- Database replication is available
- Database archiving is implemented for old data
- Scheduled backup is done on the database for the full data and the transaction logs

Features

- User Friendly.
- Web based.
- monitoring tool for all terminals
- Report Engine Generator.
- User Management system.
- Rules and Grouping on user Level.
- Includes Accounts, Operations, Transactions process flows.
- Accounting and payment module.
- Multi-layer server side solution.
- Following MVC –Module View Control.
- Full control and sending commands modules for all connected terminals.
- Supports many communication layers with related parties (like http and https, web service, TCPIP).

Business Analysis and Reporting

- Download report (From Date/Time to Date/Time)
- Settlement report
- Cashier Report
- Stock Report
- Merchant Balance
- Sales report [Summary (From Date/Time to Date/Time) , Detailed (From Date/Time to Date/Time) , Merchants – You can select single or all merchants, Terminal – You can select single or all terminals of selected merchant]