

# cl ATM Management

cashless 3.0™

A completely integrated solution for all types of traditional and innovative ATM terminals.

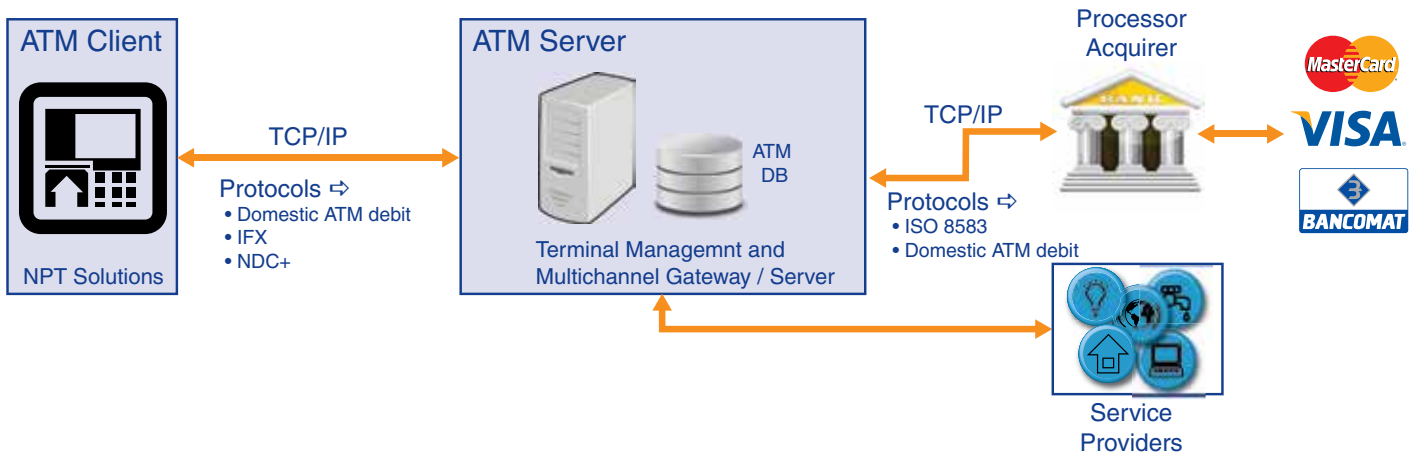


Branches are still the preferred channel for banks to communicate with their customers, especially for product consulting and problem solving. Technologically advanced branches are key for sustainable productivity, introducing hybrid ATMs that extend traditional self-service customer interaction.

To oversee advanced services and centrally manage electronic transactions, cl ATM Management, part of cashless 3.0, offers a server ready solution to manage all types of ATM terminals as well as a multi-vendor client module, certified for a variety of different ATM hardware. The cl ATM Management module works with any model of ATM machine, kiosk, cash-in and cash-recycling device produced by most vendors.

Gain independence from Vendors and full control over the entire ATM channel, making integration of new services faster plus the ability to take prompt action in case of network problems.

## cl ATM Management



# Functionalities

- **Multi-vendor solution** – Runs on most ATM machines from the main vendors (NCR, Diebold, Wincor-Nixdorf, Hyosung, Sigma, etc.)
- **Certifications** – EMV L1&2, VISA, MasterCard and Domestic ATM debit network. PCI-DSS compliant.
- **Multi-bank operations** – Manage and configure one, multiple or entire groups of banks from a single service centre. Define interactions at the single bank or processor level through appropriate configurations
- **More Multis** – Multi-language, currency, country, etc. Highly configurable and adaptable to map the financial institution's specific configuration
- **Terminal configuration & runtime monitor** – Manage dynamic terminal configurations. Keep the entire network of terminals under control via 24/7 monitoring functions to manage anomalies related to connections, synchronizations, banknote levels and hardware malfunctions.
- **Remote key loading plug-in** – Integrate multi-vendor SW running on XFS3.03-based ATMs into the application to manage EPPs of most common ATMs through the XFS interface
- **Functions** – Cash-in, check-in, night safe and cash recycling functionalities. ADV and CRM campaign generator, scheduler and player.
- **Switching** – Simple workflow management and routing of transactions to third parties for the integration of new services
- **Protocol management** – Separate modules are dedicated to individual protocols to allow fast integrations
- **Event Logging** – Detailed logs of operations in line with the security requirements, to enable rapid analysis and targeted intervention

cl ATM Management functionalities also available as SaaS from the TAS Group Data Centers.

# Benefits

- Maximization of ATMs availability, enabling remotely reset, restore and update operations
- Reduction in operating costs through removal of on-site activities. Remote diagnostics solve most problems without sending technicians on-site
- Enhanced time-to-market through remote terminal update functionalities
- Increased security and integrity of the network through automatic distribution and installation of SW patches and updates
- Automatic management of the ATM journals and accounting reconciliation
- Personalized management of the ATM interfaces with activation of advertising and information files

# Technical Overview

## Server

- Full Compliance with Java EE 6.0/Java SE 7.0
- Compatible with the latest generation of application servers
  - ◆ RedHat JBoss Enterprise Application Server 6.1
  - ◆ IBM Websphere Application Server 8.5
  - ◆ Oracle Web Logic 12c
- Compatible to the latest generation of RDBMS
  - ◆ DB2 LUW and z/OS 9.x/10.x
  - ◆ Oracle 11g/12c
  - ◆ Oracle MySQL 5.5/5.7
  - ◆ PostgreSQL 9.x/10.x

## Client

- MS Windows® 7 / XP-Embedded
- MS Internet Explorer
- Microsoft .NET
- Wosa/Xfs
- Web Services
- MS SQL Server
- XML / SOAP

TAS Group provides services and technological applications for cards, payment systems and financial markets. We operate globally, delivering innovative solutions to empower our customers' business.

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