

# TPiSCAN

The framework for self-service solutions  
in international retailing



TPiSCAN is a modular framework for self-service terminals. Simple integration with existing POS applications means that it is easy to make established POS functionalities available to self-service terminals. Be it a self-checkout or self-scanning station or a payment terminal, TPiSCAN supports automated checkout solutions in international retailing.

# TPiSCAN

## The framework for self-service solutions in international retailing

### Software Architecture

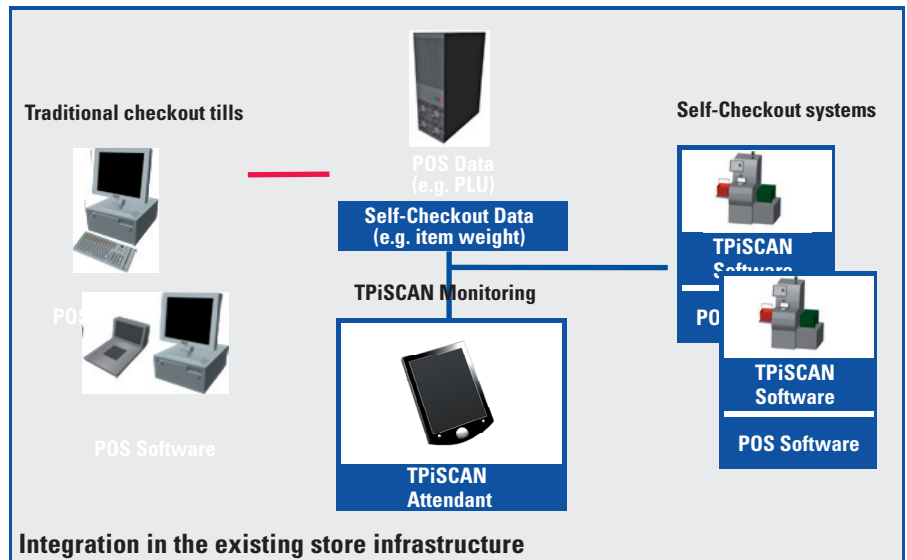
TPiSCAN is a market-, process- and platform-independent framework that is excellently suited for any customer and self-service application. Apart from Windows XP and Linux, this Java-based software supports WNLPOS (Wincor Nixdorf Linux for Point of Service) and WEPOS (Windows Embedded for Point of Service). Modular and flexible workflow concepts enable various checkout scenarios, such as self-checkout or separation of scanning and payment. Simple integration with existing POS applications is possible thanks to an adapter library that is available in the programming languages .net, Java and C.

### Graphical User Interface

The flexible graphical user interface of the TPiSCAN software has been developed to ensure optimum user guidance, an objective that is supported by multimedia use of pictures, sound files and animations. The graphical user interface can also be tailored quickly and easily to customer-specific requirements.

### TPiSCAN SDK KIT

TPiSCAN comes with an adaptation and configuration tool so that a customized solution can be created. In addition, the TPiSCAN Simulator simplifies development and quality assurance of the entire



self-service solution, without the need for the hardware to physically be on-site. All the functions of the TPiSCAN framework can be used in this.

### Management Tools

TPiSCAN provides various management tools for operating the self-service systems. User-friendly cash management offers an overview of cash holdings at all times. Weights and weight classes in the item master are administered by security management. Rights to use the systems are administered by permission management. Retraction management indicates and records when customers have forgotten their change (notes). The diagnosis tool enables fault analysis for all components. As a result, any missing or inadequate functions of the POS application used for self service can be complemented by TPiSCAN's functions.

### TPiSCAN Enterprise Manager

The TPiSCAN Enterprise Manager permits centralized monitoring and control of the iSCAN solutions. Apart from central security management and combined reports and statistics, this also offers catalog maintenance, for example for administering fruit and vegetable produce, and centralized software deployment.

### Other Functions

- Implementation with multiple attendant stations
- Use of mobile attendants (PDAs)
- Security features, such as a security database
- Special functionalities, such as inclusion of
  - DIY store-specific features
  - Payment by cash and card in one transaction
  - Sale of crates
  - Cash back, etc.

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### Available standard interfaces to POS applications

TP.net	Matra Systems
TPLinux	Powertill
POSiTion	Retail J
Cassiopee	Retailix Progress
Cavalieri del Tao	Spar POS
Fujitsu ISS400	Store Line
IBM SA	UniFO
i-Shuttle	UPOS
Kiosk Quick Pay	vPOS