Starling SCO

A fully integrated, AI-driven self-checkout solution

Elevate the Customer Experience and Increase Your Capacity During Peak Hours

Increase Sales Capacity
Increase the store's sales capacity while reducing operational cost.

Quick & Convenient
Offer a streamlined, more convenient checkout with less waiting.

Intelligent Fraud Detection
Prevent fraud with AI-based computer vision and weight verification.

Less Waiting, More Capacity

Improve the customer experience and increase your store capacity with Partner Tech's cutting-edge Starling SCO. This fully integrated self-checkout solution enables shoppers to skip the lines and get full control over their purchases. Customers appreciate the convenience and retailers benefit from increased throughput with opportunities to expand opening hours and shift labor resources to other functions.

Customizable with Peripherals

Starling is available with a 15.6-inch or 21.5-inch touch display in landscape or portrait position. Based on the application, there is a choice of different processors and memory sizes that can be optimized for your needs. A large selection of peripherals includes a bioptic scanner with scale, receipt printer, security scale, intelligent LED tri-light, security camera, ADA keypad and payment brackets.

Support for All Payment Types

Payment is easy and quick with support for debit and credit cards, contactless, mobile and cash payments through the current POS system. Brackets are available for the most popular payment terminals and additional brackets can be added on demand. The optional cash management module offers advanced coin and paper bill recycling.

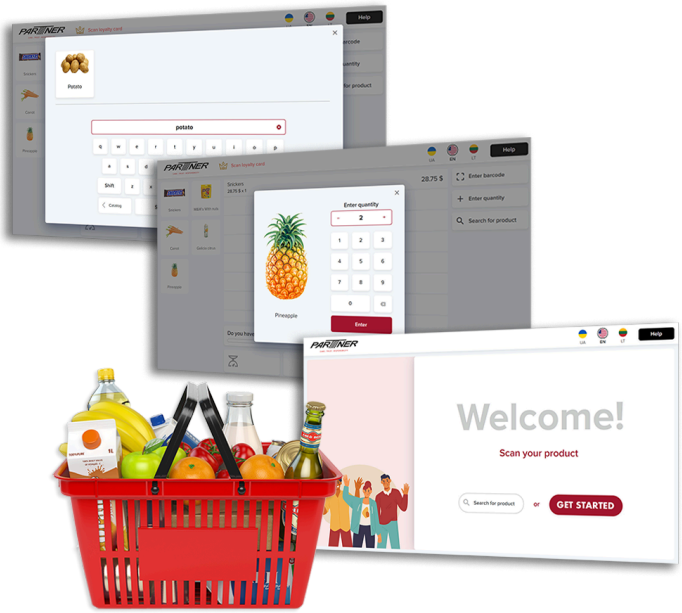
Intelligent Fraud Prevention

Starling offers advanced fraud detection capabilities that leverage artificial intelligence to analyze fraudulent shopping behaviors. Discrepancies trigger alerts that are sent to the store attendants.

- **A security scale** in the bagging area verifies the items' weight
- **Computer vision**: an intelligent camera is used for crime prediction and pick list assistance. In addition, Starling also has the option of camera-based age verification.
- **EAS security tag detection** is available for both soft and hard tags.

SCO Software With Artificial Intelligence

In addition to the hardware, Starling includes a module-based self-checkout software with easy step-by-step instructions and a customizable checkout flow and user interface. Starling controls all the peripherals such as the security and produce scale, barcode scanner, tri-light, and security camera. By leveraging artificial intelligence to analyze data, Starling generates fewer interventions and provides advanced theft detection.



API Tool Kit for POS Integration

Starling is POS-agnostic and seamlessly integrates with your existing POS and retail management systems. Partner Tech's comprehensive API toolkit enables easy integration with loyalty programs, payment solutions, and other ISV applications. By creating a fully connected self-checkout ecosystem, Starling helps retailers improve efficiency, streamline operations, and deliver a better customer experience.

Real-time Monitoring & Management

Proactive performance monitoring is essential for a successful SCO rollout, allowing you to quickly identify and resolve issues to minimize downtime. By detecting negative trends early, you can make data-driven adjustments to boost adoption and prevent fraud. This module provides access to a real-time dashboard and a comprehensive reporting tool, enabling you to analyze historical trends and benchmark store performance.

Real-time Visibility
Proactively monitor the performance of your self-checkout systems.

Proactive Problem Solving
Quickly identify and resolve problems and negative trends.

All models are also available as cashless.

Starling SCO Technical Specification

Processors

Intel® Alder Lake i3 & i5 with vPro
Intel® Tiger Lake i3 & i5 with vPro

Memory & Storage

8 GB / 16 GB / 32 GB DDR4
128 GB/ 256 GB / 512 GB M.2 PCIe SSD

Display

- 15.6" or 21.5” (portrait or landscape)
- PCAP touch

Operating System

Windows 10 IoT Enterprise LTSC 21H2 (64 bit)
Windows 11 IoT Enterprise LTSC (64 bit)

Wireless Options

Wi-Fi 6E Intel AX210 IEEE 802.11 a/b/g/n/acR2/axR2
BT 5.3

Customizable Design

- Designed for left or right orientation
- Multiple unload and bagging modules

Peripheral Options

- Bioptic 1D/2D scanner with scale
- Handheld scanner
- Brackets for payment terminal
- LED tri-light with camera (several options)
- Age verification camera
- 3" receipt printer
- ADA keypad

Fraud Detection & Security Options

- Security camera for item identification
- Surveillance camera
- Security scale for weight verification
- Electronic Article Surveillance (EAS) tag integration
- Lockable security door for system access

Payment Options

- Credit card payments supported by the POS
- Cash recycler

Module-based Software

- Multi-language support
- Step-by-step shopper instructions
- Customizable work flow and branding
- Easy-to-configure GUI
- AI-based crime prevention
- Computer vision for item identification
- Remote attendant functionality with alerts sent to desktop computer or mobile device
- Adaptive security levels
- Scan-and-Go

SCO Performance KPI Monitoring

- Real-time status dashboard
- Detailed reporting capability
- Remote device management capabilities

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