

Alfred SCO

Turnkey self-check-out solution
with universal tabletop mount



Alfred SCO: Increase Throughput & Reduce Labor Costs With Smart AI-based Fraud Detection



Lower Labor Costs
Increase the store's sales capacity without adding more team members.



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



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



Alfred SCO has a tabletop mount that can be installed on any type of desk.

Increase Throughput. Reduce Labor Costs.

Alfred SCO levels up the customer experience by enabling shoppers to skip the lines and use self-checkout. Customers appreciate the convenience and retailers benefit from increased throughput during peak hours and reduced labor costs.

Space-saving & Modular Design

Alfred's universal tabletop mount allows the self-checkout to be installed on an existing desk or Partner Tech can help design and build a new checkout counter. Because of Alfred's modular, compact design, retailers can maximize their floor space and fit more self-checkout lanes.

Customizable with Peripherals

Alfred SCO is available with a 15", 15.6" or 21.5" touch display, which can be used in landscape or portrait mode. Based on the application, retailers can choose between different processors and memory sizes. A large selection peripherals include 1D/2D scanner, printer, produce and security scale, LED tri-light, security camera, and payment brackets.

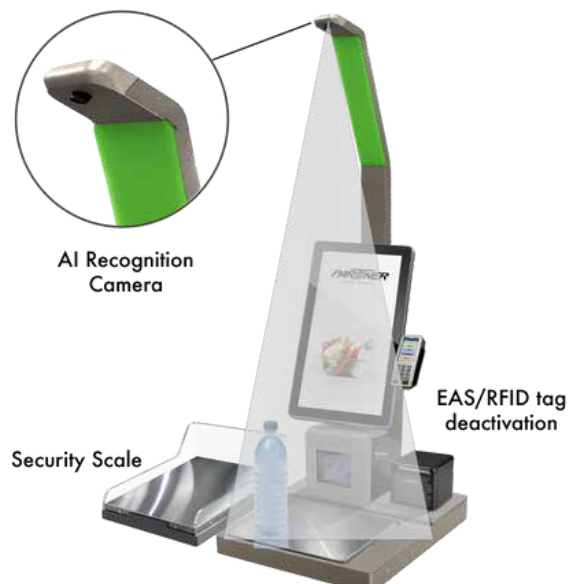
Support for All Payment Types

Payment is easy and quick with support for debit and credit cards, contactless, mobile payment and cash. Partner Tech offers brackets for the most common payment terminals, but can also support other payment terminals if needed. The optional cash management module offers advanced coin and paper bill recycling. In addition, the solution supports camera-based age verification.

Intelligent Fraud Prevention

Alfred SCO offers advanced fraud detection capabilities that leverages artificial intelligence to analyze fraudulent behaviors. Discrepancies triggers alerts that are sent to the store attendants.

- A security scale in the bagging area verifies items against the weight in the database.
- Computer vision: a security camera detects what items are scanned and uncovers scan avoidance and other scams. A camera that records the shopper is also available.
- EAS/RFID tag deactivation



SCO Software With Artificial Intelligence

In addition to the SCO hardware, Partner Tech's SCO solution includes a module-based self-checkout software that integrates with the retailer's POS software.

The SCO software provides easy step-by-step shopper instructions with a customizable checkout flow and user interface. It controls all the peripherals such as security and produce scale, barcode scanner, tri-light, and security cameras, and uses artificial intelligence to analyze the data, thus resulting in fewer interventions and more advanced theft detection. As an example, the item's weight can be verified against the weight in the database and footage from the security camera can be used for item identification or to detect barcode switching schemes.



API Tool Kit for POS Integration

Partner Tech offers an API toolkit for integration with the retailer's POS and loyalty systems as well as other ISV solutions. We work closely with POS software developers to provide a seamless integration with the regular POS to ensure a successful rollout.

Real-time Monitoring & Management

Partner Tech's monitoring module proactively tracks the performance of the SCO and is a critical component in ensuring a successful rollout. It helps quickly identify and resolve issues to minimize downtime. It detects negative trends, which allows retailers to make adjustments to increase usage. This module provides access to both a real-time dashboard and a reporting tool with ability to view historical trends and benchmark stores against each other.



Configurable to Every Retailer's Needs. Fully customizable, modular design with a wide range of options, Alfred SCO is built to meet your store's requirements – from functionality to layout and branding – requiring minimal floor space.

Technical Specification

Processors

Intel® Core i3 7100-U
Intel® Core i5 7300-U with Intel vPro® technology

Memory & Storage

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

Display

- 15", 15.6" or 21.5" (portrait or landscape)
- 10-point PCAP touch, anti-glare
- Zero-bezel design
- Supports second display

Operating System

Windows 10 IoT (64Bit)
Linux (Ubuntu)

Wireless

802.11a/b/g/n/ac + BT 4.2

Audio

1 x 3W speaker
1 x Audio (line out)

Customizable Design

- Tabletop mount for any counter space
- Module based design
- Designed for left or right orientation
- Compact, low profile design
- Multiple unload and bagging modules

Please ask Partner Tech if you need help with custom design of counter and bagging area.

POS Peripherals

- Slot 1D/2D scanner & handheld 1D/2D scanner
- Brackets for payment terminal
- LED tri-light (several options)
- Produce scale & security scale
- Camera for age verification & security camera
- Thermal printer

Fraud Detection & Security

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

Payment

- Contactless (NFC), MSR & EMV chip cards
- Cash module with bill and coin recycling (optional)

Brackets are available for the most popular payment terminals. [Verifone](#), [Ingenico PAX](#), [IDTech](#)). Additional terminals can be supported on request. Please contact Partner Tech for details.

Module-based Software

- Multi-language support
- Step-by-step shopper instructions
- Customizable flow and branding
- Easy-to-configure GUI
- Crime predictor AI module
- Computer vision for item identification
- Remote attendant functionality with alerts sent to desktop computer or mobile device
- Adaptive security levels
- Scan-and-Go functionality, using the shopper's phone for mobile checkout

POS Integration

API toolkit for easy integration with POS and other retail systems.

SCO Monitoring/Management

- Real-time status and issues dashboard
- Detailed reporting capability
- Real-time alerting
- Remote management capabilities