

**LIFE SAFETY
AND
SECURITY SOLUTIONS**



As the de facto standard in the industry today, **A-PASS®** represents the single largest deployment of life safety and security software in the world. It is presently featured on hundreds of ships globally **and counting....**



A-PASS® 6

The Industry Standard is now better than ever!

For over a decade, **A-PASS®** has served the cruise line industry with a patented embarkation system for rapid passenger processing and photo identification. Featuring a specially designed Kiosk, a number of PC applications and a web reporting module, the original system was specifically designed for maritime security and real-time reporting. As the de facto standard in the industry today, **A-PASS®** is presently featured on hundreds of ships globally, comprising the single largest deployment of gangway management software in the world.

Now, **SISCO** raises the bar by engineering the next generation of shipboard technology to meet the growing needs of the cruise line industry. Working closely with its customers to identify changing business requirements, **SISCO** introduces the **A-PASS® 6 Shipboard Management System** to meet new safety, security and compliance initiatives while improving the passenger experience. Built on a scalable new architecture that supports multiple applications across departmental and other functional areas, the system provides the only real-time reporting of mission critical data regarding passengers, crew and visitors for maritime security and safety.

Upgrade to a suite?

The **A-PASS® 6** System is a suite of products designed to work together for shipboard and shore side operations. Featuring an architecture built on the latest industry standards including web and mobile technologies, the system was engineered from the ground floor up using the Microsoft .NET™ Framework. This dedication to best-in-breed technologies ensures maximum interoperability and seamless integration with other shipboard systems.



Generate Secure Cards on-Demand

A-PASS® 6 now simplifies the card generation process for passengers, crew and visitors. Using a configurable template based design, the system can generate a randomized barcode, print the design, and encode the magstripe in one easy step, in a batch mode or on-demand. Seamlessly integrated with our Access Control Module and Data Management modules, the system allows easy administration of access control to doors and common areas aboard the ship using our web based interface.

Door Access Control Made Easy



With the **A-PASS®** Access Control Module, doors and common areas can be secured anywhere access control is required with the use of a passenger, crew or visitor card. Since the system can be configured based on certain access rules, it can be used to control passenger access to age sensitive areas like spa and sauna facilities, for example. Designed to replace traditional mechanical lock systems that can be cumbersome to administer, the system can be used to secure crew access to sensitive areas including the bridge, engine room, or medical inventory storeroom, for example.

Correlation Made Better

One important aspect introduced in the original patented **A-PASS®** system is the concept of correlation. Since the barcodes on many cruise cards are preprinted from the manufacturer, it was necessary to correlate the barcode with the passenger record. In **A-PASS® 6**, the new browser-based UI for managing the autocorrelation process removes the two (2) device limitation and allows any number of devices to be configured. This is especially important for scaling operations for larger ships, for example. With additional internal error detection and correction, it also improves the autocorrelation process by reducing the number of "bad" card reads on older devices while adding support for next generation autocorrelator devices that reversed the magstripe and barcode reader order.

Plays well with others

A-PASS® 6 now supports the latest in SOA web service technology. The **A-PASS®** Advanced Data Access Module (ADAM) offers seamless integration with most Passenger and Crew Management Systems (PMS/CMS). This approach allows the system to maintain passenger updates in real-time including pre-assigned barcodes while meeting today's print-on-demand process for passenger cards. This configuration option can represent significant cost savings by eliminating the autocorrelation equipment and labor required to issue passenger cards.

Gangway Access with a Choice of Flavors



The **A-PASS**® Guard Station that started the industry standard comes in both PC and Mobile editions. Both provide high speed processing, high resolution photos and real-time accounting of people including passengers, visitors and crew. The Mobile edition makes gangway operations scalable based on pedestrian traffic. The PC edition allows document capture for driver's licenses, passports and government IDs. This feature can auto-populate Visitor information, for example, to speed up processing of unregistered visitors and contractors at the gangway.



A-PASS® Mobile technology continues to get even better!

More applications and options for scalable shipboard operations

Utilizing the latest in mobile computing technology, the product delivers legendary **A-PASS**® performance with the convenience of a wireless PDA. Supporting a number of handheld form factors, the system can be easily deployed in virtually any environment. In addition to the Mobile Guard Station functionality, the Mobile Client software offers several significant embarkation, safety, and security applications with the simplicity of scanning a card.



A-PASS® 6 Mobile Client Applications

- Guard Station
- Mustering
- Tendering
- Immigration Clearance
- ID Check Age Verification
- Passenger Search
- Triage Tracking/Incident Response
- Excursion/Event Tracking (coming soon)

Mobile Guard Station

This is the Mobile edition of its bigger brother, except with the convenience of a handheld device. Originally designed to supplement existing Kiosk operations at ports of call, recent camera options on the PDA also provide photo capture capability, allowing replacement of the bulky kiosk.

Mobile Mustering

Originally the first to be implemented in the Mobile product line, this module provides rapid check-in to a muster location for drills or real emergencies. The real-time status display and web reporting give immediate accountability in a fraction of the time required for other paper-based methods.

Mobile Tendering

This module can be used two ways: 1) for emergency situations for tracking who is on which life boat, or 2) for normal tendering operations including positive photo identification and tracking of tender capacities. Since the Mobile Client software on the PDA includes a full database with photos, the system can be used in an offline mode for shore side tendering operations.

Mobile Immigration

This module provides rapid verification of passenger immigration clearance. It works in conjunction with the Mobile or PC Edition Guard Station in real-time, so that only those who have met all immigration clearance requirements are allowed off the ship. This eliminates any unsecured manual marking system or the need to process all passengers before allowing anyone off.

Mobile ID Check

This valuable module performs photo identification and age verification based on configurable rules with the simple scan of a cruise card. This can be used in the disco or lounge for the purchase of alcohol, in the teen lounge to ensure maximum age requirements or anywhere aboard where there are age specific restrictions.

Mobile Passenger Search

Built into all the Mobile modules, the passenger search functionality allows the user to search by name, passport, cabin, folio or booking number. Advanced search features include identifying all those in a cabin or group TWID (Travel With ID).

RollCall™ Mobile Attendance

Keeping track of passenger and crew attendance couldn't be any easier. By simply scanning a card, you can record turnout at passenger activities, crew meetings or emergency roll call. The easy web-based reporting interface turns attendance records into business intelligence for strategic planning, trend analysis and emergency reporting.

RollCall™ Mobile Events & Excursions

Simplifies the ability to track passengers for official events and off ship excursions. Using offline or online mobile technology, track event or excursion attendance at every step of the way – on the bus, at the terminal or wherever full passenger accounting is required. Upon return to the ship, the mobile device automatically synchronizes data with the server for full web based reporting.

Forward and Backward Compatible

While being compatible with existing systems and processes, **A-PASS® 6** is a fresh new replacement for **A-PASS® Classic**. For example, the new File Import Module replaces the manual operation required to import passenger data and removes the limitation of only being able to import once per voyage. Featuring a configurable and flexible file watcher and import processor, the system can automatically import Passengers, Crew, and any other data like Events, Excursions, etc. This module provides backward compatibility with legacy PMS system formats while a direct real-time interface with ADAM (A-PASS® Data Access Module) can be implemented.

Phone home... later

The **A-PASS®** Mobile Client features an onboard Mobile SQL database supporting offline mode operations complete with automatic data synchronization. Once the PDA is in range of the wireless network or inserted into a docking station, the system provides complete data replication and collision resolution across the system, enabling accurate and up-to-date reporting regardless of interruptions in networking or loss of service. This enables operations such as shore side tendering with photo verification, for example, where wireless networking may not always be present.

Data Management Made Easy

These four new modules of **A-PASS® 6** feature a web based user interface making data management easy. With the new Groups, Permissions, and Portals feature, system resources can now be assignable to users. Role or function based groups can be formed to restrict access to sensitive data or operations. Users can be assigned to one or more groups for ease of administration.

Corporate Badging

The Corporate Badging Module provides centralized administration of corporate employee badges on shore side. Featuring a live camera preview where photos can be captured or uploaded right from the web page, the system permits single or batch printing of badges while flexible web reports enable tracking of contract/badge expirations and lost cards. The automated data distribution feature provides fleet wide synchronization of shipboard databases.

Front Desk

The new Front Desk Module replaces the **A-PASS® Classic** application called "Front Desk" with a web based user interface for managing passengers. It features data entry and card generation (printing, encoding and/or correlation) along with photo capture with live camera preview right from the web page.

Crew Management

The new Crew Management Module replaces the **A-PASS® Classic** "Data Management" application with a web based module for managing crew contracts, data entry, photo capture and badge printing. It also features live camera preview where photos can be captured or uploaded right from the web page.

Visitor Registration

The Visitor Registration Module is for rapid processing and registration of shipboard visitors. By utilizing a simple web based interface and simply swiping the Driver's License or Passport, the system automates the data entry and photo capture process for accurate record keeping of visitors and contractors.

	Expected	ON	OFF	Total
Pass				
In Transit	2950	0	0	2950
Disembarking	13	0	13	
Disembarked	N/A	0	0	0
Crew				
In Transit	682	26	693	
Expired	362	N/A	362	
In Transit Total	3612	26	3643	
Corporate	0	0	0	
Visitor	0	0	0	
Other	0	0	0	
Total	3997	26	4023	

SODA anyone?

One of the significant strengths of the **SISCO** product lines is the ability to quickly scan and capture person information for automated rapid data entry. Through a patent pending technology called SODA (Service Oriented Device Architecture), this high speed functionality has been brought to **A-PASS® 6** through a highly optimized software layer providing maximum performance with a wide portfolio of devices from many manufacturers. Some of the devices supported include cameras to capture photos, document scanners to extract and/or validate original documents (DL, passport, badges, etc.), and access key devices (barcode, RFID, biometrics) for quick information recall, validation or processing.

Leading Tomorrow's Technology Today

SISCO is the leading provider of Identity Management Solutions for the Maritime industry, Education, Healthcare, Corporations, Government and Law Enforcement Agencies. **SISCO's** Identity Management Systems offer a variety of features and benefits that are tailored to meet the specific security requirements of each industry and we provide the most comprehensive solution available today. **SISCO** offers superior solutions, expert installation, comprehensive training and unsurpassed customer service which in turn provides you the frontline protection for a safer working environment.



3595 FISCAL COURT
WEST PALM BEACH, FLORIDA 33404
tel (561)691-0050 (877)SISCO-ID
fax (561)691-0180



A-PASS®

MARINE LIFE SAFETY



To meet the latest life safety and security initiatives throughout the cruise industry, SISCO raises the bar again with the newest version of the patented A-PASS® fleet management solutions. Now deployed on over 125 cruise ship vessels, the system has become the de facto standard throughout the cruise industry for both security and life safety operations. By leveraging the latest mobile handheld devices for rapid processing, the system combines proven Identity Management System (IMS) security technology with real-time passenger and crew status information. As a first in the industry, the newest offering now integrates with shipboard Safety Management Systems (SMS) for complete situational awareness involving real-time vessel status and people accountability, especially important for critical decision-making when seconds count for saving lives in a real emergency.

Now passengers and crew can take comfort in knowing that their voyage is protected by the most advanced life safety and security systems available on the high seas.

A-PASS® Life Safety Modules:

● Passenger & Crew Mustering Module

As a first in the industry, SISCO introduced Mobile Mustering to replace the time consuming paper-based methods with an automated solution utilizing mobile device technology. Designed for drill or real emergency scenarios, the system provides ultimate scalability for high-speed accountability for mustering both passengers and crew for lifeboat operations.



● Crew Assembly Module

Designed for organizing teams for deployment during drills or real emergencies, the system provides a real-time accountability dashboard for assembling crew at their emergency stations and tracking their life safety responsibilities in multiple scenarios utilizing both mobile and fixed kiosk technologies.



● Search Plan Module

Developed for rapid area clearance, the system automates Search Plan operations for fire, bomb threat, biohazard, lost child/person, and other scenarios. Utilizing both mobile and fixed kiosk technologies in a drill or real emergency scenario, the system can reduce the typical clearance time on a large vessel from hours to minutes.

● SMS Integration Module

Working in conjunction with SMS suppliers, SISCO has developed an extensive software interface to supply critical real-time data to the SMS for complete situational awareness during operational command of drills and real emergencies. The interface provides statuses on passengers & crew (for mustering & life boat operations), crew deployment (for tracking crew safety responsibilities), area clearance (for automating search plan operations) along with equipment statuses for monitoring other infrastructure (like mobile devices, software alarms, etc.) critical to life safety operations.

MODULES AND FEATURES

A-PASS Life Safety Solution Feature	Mobile Mustering Module	Crew Assembly Module	Search Plan Module	SMS Integration Module
Passenger Muster	✓			✓
Passenger Lifeboat	✓			N/A
Passenger Drill	✓			✓
Crew Muster	✓	✓		✓
Crew Lifeboat	✓			N/A
Crew Drill & Assembly		✓		✓
Crew Safety Team Tracking		✓		
Search Plan Automation			✓	✓
Crew Search Tracking			✓	✓
Area Search Tracking			✓	✓
SMS Integration				✓
Real-time Overhead Situational Visualization				✓
Real-time Data Exchange	✓	✓	✓	✓
Real-time Dashboard	✓	✓	✓	N/A
Mobile Device Support	✓	✓	✓	N/A
Kiosk Device Support		✓	✓	N/A
Device Unit Status	✓	✓	✓	✓
Web Reports	✓	✓	✓	N/A
Tablet Device Support (Dashboards & Reports)	✓	✓	✓	N/A

SISCO is the leading provider of Identity Management Solutions for the Maritime industry, Education, Healthcare, Corporations, Government and Law Enforcement Agencies. SISCO's Identity Management Systems offer a variety of features and benefits that are tailored to meet the specific security requirements of each industry, and we provide the most comprehensive solution available today. SISCO offers superior solutions, expert installation, comprehensive training and unsurpassed customer service which in turn provides you the frontline protection for a safer working environment!

