Category	SAP Screen Personas*	ITS Mobile	Havensight Inventory One (H1)
Architecture	GUI customization layer that runs in SAP Web GUI and simplifies classic SAP screens. **Can't alter business logic or enable new workflows.**	Web-based rendering of legacy SAP RF (LM*) transactions using SAP GUI for HTML. **No ability to customize logic, screens, or workflow structure.**	SAP-native mobile execution platform built on SAPUI5. **Enables simplified, fully integrated, task-specific workflows with direct backend interaction.**
Device Support	**Desktop-focused**. Can run on mobile browsers but isn't optimized for touch input or rugged handhelds. No gesture support, small tap targets, and rendering issues on some mobile browsers (especially Android).	**Built for legacy handhelds with keypads**. Runs in a browser on mobile devices but lacks touch optimization, responsive layout, or support for modern hardware interaction.	**Fully touch-enabled and optimized for Android, iOS, and Windows**. Mobile-friendly layout, responsive design, large tap targets, and seamless hardware integration (barcode scanners, cameras, etc.).
Offline Capability	**None**. Requires a stable connection to SAP GUI for HTML. Any network interruption during a transaction will result in session loss and force the user to start over.	**None**. Requires constant connectivity. Any network interruption during a transaction will cause session loss and force users to restart.	**Built-in offline** and connection persistence. Users can complete tasks, even if disconnected.
Mobile User Experience	Simpler SAP GUI screens but still presents field-heavy layouts and requires users to understand SAP transactions. **No gesture support or mobile-native UI components** (e.g., pickers or dropdowns).	**Text-based, field-driven UI**. Navigation via function keys or screen taps. No workflow guidance. User must know SAP movement types and flow.	**Lightweight, intuitive, task-oriented UI built for speed and ease**. Mobile-friendly controls, native dropdowns and pickers, scan-to-action workflows, and auto-advance on input—no need for SAP transaction code knowledge.
Barcode Scanning	**Limited and browser-dependent.** Scanning input is treated like manual keyboard entry, often requiring users to click into the correct field. No scan-to-action or auto-advance logic. Workflows are not streamlined for warehouse use.	**Basic scan field inputs with limited workflow integration.** Requires manual field focus and is prone to errors in browser-based environments.	**Fully optimized with direct scanner integration for high-volume operational environments.** Provides scan-to-action logic, auto-navigation between fields and steps, error prevention, and minimal user input.
Deployment Scope	Per-user screen personalization. **Each transaction must be manually adapted**; cannot combine steps or build guided workflows across tasks.	**Limited to SAP's out-of-the-box LM* transaction scope.** No packaged templates. Each enhancement requires development.	**Prebuilt configurable workflows that support guided, end-to-end execution**—adaptable across IM, WM, and EWM with rapid time to value.
Customization	**Surface-level personalization:** hide fields, change labels, rearrange elements. Cannot create new workflows—only simplifies existing transactions.	**Limited flexibility.** Hard-coded SAP RF transactions (e.g., LM01, LM07). Requires ABAP changes to modify logic or structure.	**Deep customization is possible**. Screens, business logic, validations, and multi-step workflows can be tailored to real operational processes.
Future-Readiness	Built on SAP GUI technology. **Will require significant effort to evolve with SAP Fiori/UI5 strategy and S/4HANA roadmap.**	**Supported in S/4HANA but not aligned with SAP's long-term UX strategy (Fiori/UI5)**. Built on SAP GUI for HTML, which SAP considers transitional. Commonly used by large SIs for its familiarity and speed, but modernization will eventually be required to stay aligned with SAP's evolving roadmap.	Built with SAP UI5 and Fiori design principles. **Fully aligned with SAP's long-term mobile and UX direction.**
Use Case Fit	**Designed for desktop-based users** who need to simplify SAP GUI transactions in office settings.	**Designed for legacy RF guns** in warehouses needing basic online SAP access. Not modern or user-friendly.	**Designed for warehouse workers and field teams using rugged devices** in remote, high-complexity environments where reliability, ease of use, and offline access are critical.
Best for	**Light UX enhancements for office users who stay in front of a computer.** Not intended for mobile-first use cases—limited touch optimization, no offline support, and no native integration with handheld or rugged devices. "Simplifying SAP GUI screens for occasional users working in office environments."**	**Basic online mobile access for warehouse users.** Relies on SAP's standard RF logic. Not suited for modern touch workflows, high-volume scanning, or environments with intermittent connectivity.	**Supports consistent execution across warehouse operations through guided workflows, SAP-native integration, and Enterprise Offline Execution.** Empowers warehouse and storeroom users to perform SAP transactions without needing SAP knowledge. Intuitive workflows aligned with real-world operational processes.

***Note on Slipstream Engine Plugin for SAP Fiori Launchpad:**

Some SAP Screen Personas deployments use Slipstream Engine to render a Fiori-style visual theme, especially in mobile browsers. While this improves the appearance, it does not change the underlying architecture or limitations. Personas with Slipstream is still SAP GUI for HTML at its core—there is no offline support, no native hardware integration (e.g., scanners, cameras), and no true mobile responsiveness. Visual enhancements do not equate to functional readiness for rugged or mobile-first environments.

****Source**: SAP Help Portal – SAP Screen Personas Overview

https://help.sap.com/docs/SAP_SCREEN_PERSONAS

Ranking SAP Warehouse Mobility Solutions: Personas vs. ITS Mobile vs. H1

This analysis evaluates three SAP mobility options for warehouse and inventory operations—SAP Screen Personas, SAP ITS Mobile, and Havensight Inventory One (H1)—across nine critical dimensions. Each solution was scored based on its technical foundation, alignment with SAP's roadmap, real-world usability, and suitability for modern warehouse environments.

Group / Criteria	Personas	ITS Mobile	H1
Architecture Underlying technical structure, integration with SAP systems, and scalability for mobile inventory operations	7	5	10
Key Evalulation Criteria			
Integration with SAP Backend Seamlessly integrates with SAP ECC, S/4HANA, or EWM, including support for OData services or direct SAP GUI access?			
Scalability and Performance: Able to handle large transaction volumes and multiple users in a warehouse environment?			
Mobile Optimization: Designed for handheld and rugged device use, including responsiveness and lightweight processing?			
Maintenance Complexity: Effort required to maintain and update the system, including dependencies on legacy components?			
Architecture Grading Notes: SAP Screen Personas relies on SAP GUI with the Slipstream Engine for mobile rendering, which is less modern. SAP ITS Mobile uses an older HTML-based architecture, limiting performance and flexibility. H1 leverages a modern SAP-native architecture with configurable workflows and direct SAP integration. It aligns with SAP's long-term UX strategy while supporting scalable warehouse execution across SAP ECC and S/4HANA environments.			

Group / Criteria	Personas	ITS Mobile	H1
Device Support Compatibility with various mobile devices, operating systems, and screen sizes.	7	6	10
Key Evalulation Criteria			
Cross-Platform Compatibility: Supports iOS, Android, and Windows devices that are commonly used in warehouses?			
Responsive Design: Adapts well to different screen sizes (e.g., smartphones, tablets, rugged devices)?			
Browser vs. Native Support: Browser-based, or does it support native app deployment for better performance and usability?			
Hardware Integration: Compatible with warehouse-specific hardware such as scanners, cameras, or rugged devices?			
Device Support Grading Notes: SAP Screen Personas (via Slipstream Engine) supports mobile devices but is less optimized. SAP ITS Mobile is limited to browser-based HTML rendering, with weaker device adaptability. H1 supports Android, iOS, and Windows devices with responsive user experiences and seamless integration to warehouse hardware and rugged mobile devices.			

Group / Criteria	Personas	ITS Mobile	H1
Offline Capability Support for operation in low- or no-connectivity environments, to maintain session and transaction persistence when coverage drops, is spotty, or is unavailable	1	1	9
Key Evalulation Criteria			
Offline Data Storage: Supports local data storage for inventory transactions during offline periods?			
Synchronization: Robust data sync mechanisms when connectivity is restored?			
Feature Availability Offline: Which inventory functions (e.g., scanning, data entry) remain available offline?			
Conflict Resolution: How well does the system reconcile offline transactions upon reconnection?			
Offline Capability Grading Notes: SAP Screen Personas provides no meaningful offline capability and requires continuous connectivity. SAP ITS Mobile also requires a constant connection to SAP, with transactions vulnerable to interruption if connectivity is lost. H1 provides Enterprise Offline Execution, allowing users to continue working during connectivity interruptions and automatically synchronize transactions when connectivity is restored.			

Group / Criteria	Personas	ITS Mobile	H1
Mobile User Experience Intuitive, efficient, and truly beneficial interface for warehouse operators	4	2	10
Key Evalulation Criteria			
Ease of Use: Intuitive interface for casual or non-expert users performing inventory tasks?			
Fiori Design Principles: Adheres to SAP Fiori's role-based, simple, coherent, adaptive, and delightful guidelines?			
Navigation Efficiency: Can users easily navigate between tasks such as scanning, stock checks, or data entry?			
Visual Appeal: Has a modern look and feel that improves user adoption and satisfaction?			
User Experience Grading Notes: SAP Screen Personas simplifies SAP GUI screens but still requires users to understand SAP transactions and navigation. SAP ITS Mobile provides a text-heavy, field-driven experience with limited workflow guidance. H1 delivers an intuitive, scan-first user experience with guided workflows that reduce training requirements, improve adoption, and help drive consistent execution across operators.			

Group / Criteria	Personas	ITS Mobile	H1
Barcode Scanning Ability to support barcode scanning, a critical feature for mobile inventory systems	2	3	10
Key Evalulation Criteria			
Native Scanning Support: Includes built-in barcode scanning via device cameras or external scanners?			
Scanner Compatibility: Supports warehouse-grade scanners (e.g., Zebra, Honeywell) and device cameras?			
Performance and Accuracy: Offers fast and reliable barcode scanning, especially for 1D and 2D codes?			
Ease of Integration: How much effort is required to configure or develop scanning functionality?			
Barcode Scanning Grading Notes: SAP Screen Personas supports barcode scanning through browser-based input but offers limited workflow integration. SAP ITS Mobile provides basic scanning support but relies heavily on field-based navigation and manual user interaction. H1 is optimized for high-volume barcode scanning with scan-to-action workflows, direct scanner integration, automated navigation, and minimal user input.			

Group / Criteria	Personas	ITS Mobile	H1
Deployment Scope Ease, scale, and flexibility of deploying the solution across an organization	7	5	9
Key Evalulation Criteria			
Deployment Speed: How quickly can the solution be implemented for a mobile inventory system?			
On-Premise vs. Cloud: Supports on-premise, cloud, or hybrid deployments with SAP systems?			
Scalability Across Sites: Able to deploy it across multiple warehouses or regions?			
Licensing and Costs: What are the licensing requirements and deployment-related expenses?			
Deployment Scope Grading Notes: SAP Screen Personas can be deployed quickly for basic SAP GUI simplification but is limited in scope. SAP ITS Mobile leverages existing SAP RF transactions but remains constrained by legacy architecture and limited flexibility. H1 provides prebuilt configurable workflows that accelerate deployment while supporting scalability across sites, warehouses, and SAP environments.			

Group / Criteria	Personas	ITS Mobile	H1
Customization Flexibility to tailor the solution to specific inventory processes and user needs	7	4	9
Key Evalulation Criteria			
Ease of Customization: What tools (e.g., SAP Web IDE, Flavor Editor) and skills aer required for customization?			
Scope of Customization: To what extent can screens, workflows, or logic can be modified?			
Preservation of Business Logic: Does customizations maintain existing SAP business logic without extensive recoding?			
Development Effort: How much time and expertise (e.g., ABAP, JavaScript) are needed for customization?			
Customization Grading Notes: SAP Screen Personas provides screen-level customization of SAP GUI transactions but cannot fundamentally redesign workflows. SAP ITS Mobile offers limited customization and often requires ABAP development for meaningful changes. H1 supports configurable workflows, business rules, validations, and user experiences that can be tailored to operational requirements while maintaining a repeatable platform approach.			

Group / Criteria	Personas	ITS Mobile	H1
Future-Readiness Alignment with SAP's roadmap and ability to adapt to emerging technologies	6	3	10
Key Evalulation Criteria			
Alignment with SAP Strategy: Aligns with SAP's focus on Fiori, S/4HANA, and cloud-based solutions?			
Support for New Technologies: Compatible with AI, IoT, or advanced analytics for inventory management?			
Longevity and Updates: What is the solution's lifecycle, including frequency of updates and deprecation risks?			
Scalability for Future Needs: How adaptable is the solution to evolving warehouse requirements, such as automation?			
Future Readiness Grading Notes: SAP Screen Personas remains tied to SAP GUI technology and will require continued adaptation as SAP advances its Fiori and S/4HANA strategy. SAP ITS Mobile remains dependent on legacy RF transactions and SAP GUI for HTML, limiting long-term modernization potential. H1 is built on SAP UI5 and aligns with SAP's long-term UX direction while providing a flexible foundation for future warehouse execution, automation, and emerging technologies.			

Group / Criteria	Personas	ITS Mobile	H1
Operational Use Case Fit How well it addresses typical mobile inventory system requirements (e.g., stock checks, picking, transfers)	3	3	10
Key Evalulation Criteria			
Core Inventory Functions: Supports key tasks such as stock inquiries, goods receipt, and picking?			
Role-Based Functionality: Supports role-specific workflows for warehouse operators?			
Integration with EWM/WM: Comptabile with SAP EWM or WM for end-to-end inventory processes?			
Complex Process Support: How well does it handle advanced scenarios such as batch management or serial numbers?			
Use Case Fit Grading Notes: SAP Screen Personas is best suited for simplifying individual SAP transactions but provides limited support for guided inventory workflows. SAP ITS Mobile supports standard RF processes but lacks the flexibility and user experience required for more complex operational scenarios. H1 supports a broad range of warehouse and inventory processes through configurable workflows, including receiving, putaway, picking, transfers, cycle counting, physical inventory, and other SAP inventory operations.			

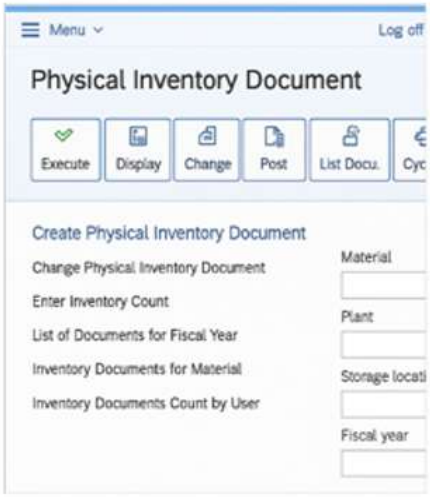
Group / Criteria	Personas	ITS Mobile	H1
Architecture	7	5	10
Device Support	7	6	10
Offline Capability	1	1	9
Mobile User Experience	4	2	10
Barcode Scanning	2	3	10
Deployment Scope	7	5	9
Customization	7	4	9
Future-Readiness	6	3	10
Use Case Fit	3	3	10
Total Score	44	32	87

*Scores based on 1-10 ranking with 1 being the lowest. Maximum score is 90

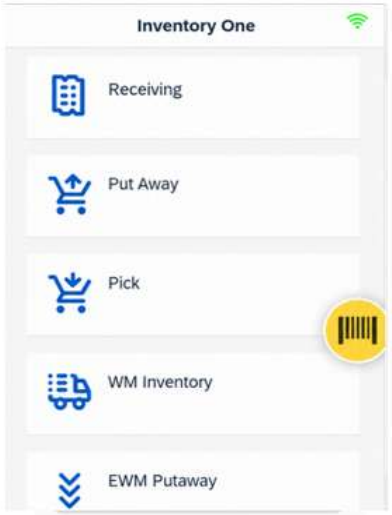
Ranking Rationale

H1 ranks highest due to its modern SAP-native architecture, broad device support, Enterprise Offline Execution, intuitive user experience, optimized barcode scanning, deployment flexibility, configurable workflows, and alignment with SAP's long-term UX strategy. SAP Screen Personas ranks second because it can simplify SAP GUI transactions but remains limited by its desktop-oriented architecture and lack of true mobile capabilities. SAP ITS Mobile ranks lowest due to its legacy RF foundation, limited user experience, lack of offline support, and constrained flexibility for modern warehouse operations.

Personas Polished-GUI



H1 Dynamic Menu



Visual Compare

Havensight view: SAP Screen Personas improves the appearance of SAP transactions, but the burden of execution still rests largely on the operator. However, in truth...

With SAP Screen Personas, the concept of a menu is still present, but it's limited in scope and requires significant effort to configure and maintain. Personas allows you to create simplified landing pages or tile-based menus that serve as shortcuts to classic SAP GUI transactions. These can be visually customized using Personas' editor to relabel buttons, rearrange elements, or hide unused fields. However, these menus are not dynamic, role-aware, or process-driven. They are fundamentally tied to the underlying SAP transaction model, meaning users still need to understand what transaction to launch, and in what order, to complete a task. Creating a truly user-friendly menu in Personas involves building and maintaining individual screen "flavors," scripting navigation logic, and manually configuring buttons and layout elements per role or use case. This becomes labor-intensive across large user bases or multiple warehouses—and even more challenging on mobile devices, where SAP GUI for HTML is not touch-optimized and lacks responsiveness.

In contrast, H1 provides a modern, configurable menu system that is dynamic, role-aware, and fully integrated into the execution workflow. Users see only the functions relevant to their role, site, or assigned workflow. The experience is optimized for touchscreen interaction, intuitive navigation, and guided execution—reducing reliance on SAP knowledge while helping drive **consistent execution across operators.**