TAS12-OEM

Intelligent Admission Device

The TAS12-OEM is an intelligent admission device that allows patrons to self-scan entry credentials at entertainment and leisure facilities. The device integrates with electric lock controlled turnstiles and gates and is used primarily in access control applications with third party turnstiles.



TYPICAL INSTALLATION SITES

- Stadiums
- Arenas
- Theme Parks
- Other Leisure Facilities

COMMON APPLICATIONS

- Integration with third party electric locking turnstiles, gates, and doors

FUNCTION

The TAS12-OEM is an intelligent admission device that allows patrons to self-validate entry credentials. Key features include an integrated 1D/2D barcode imager, touchscreen, speakers and visual indicators for attendants. Relay outputs allow control of electric locking turnstiles, doors or gates.

The TAS12-OEM seamlessly integrates with Alvarado's GateLink10 admission control software. Third party access control systems can communicate with the TAS12-OEM without the use of GateLink10 through implementation of Alvarado's *DirectConnect API.*

AVAILABLE MODELS

TAS12-OEM

The TAS12-OEM includes a 1D/2D barcode imager, touchscreen, speakers and visual indicators for attendants. Relay outputs allow control of electric-locking turnstiles, doors or gates. A 110/220VAC power supply and mounting plate that attaches the device to the top of an existing waist high, three-arm turnstile is included. Additional attachment options are available.

TAS12-WALL

The TAS12-Wall includes the same components as the TAS12-OEM, plus attachment hardware to mount the TAS12 to a wall.

TAS12-DESKTOP

The TAS12-Desktop includes same components as the TAS12-OEM, plus a small lid assembly to allow the TAS12 to be located on a desktop or tabletop.

SCAN HEAD COMPONENTS

The scan head assembly is a #304 stainless steel housing containing the components listed below. The scan head assembly attaches to the lid of a turnstile, a wall mount or tabletop. Included components are:

ACCESS CONTROLLER

The access controller communicates either to Alvarado's GateLink10 access control software or to third party access control software through Alvarado's *DirectConnect API*, via wired or wireless TCP/IP. The access controller also controls device functionality and provides offline validation if communication to the access control server is not possible. Offline transactions are stored and automatically uploaded to the host when communication is restored.

BARCODE SCANNER

A 1D/2D barcode scanner is internally mounted. The scanner quickly reads both printed and digital barcodes.

TFT DISPLAY WITH TOUCHSCREEN

A powder coated diecast bezel frames a 5.7" (diagonal) touchscreen color display. The bright (700 nit) display is visible in bright sunlight. User definable graphics guide patrons through the validation process and provide notification of presented credential status. Advertisements can also be displayed on the screen. Graphics are easily changed using an Alvarado provided utility.

ATTENDANT NOTIFICATION LIGHTS

The back of the assembly contains an LED light board (Yellow/Green/Red). Lights notify attendants of the status of the presented credential. Unique light combinations can be associated with select ticket types to provide notification to attendants of special tickets such as "child", "senior" or "VIP".

INTERNAL SPEAKER

Audible sounds (.wav files) are typically used to notify patrons and attendants of the validity of the presented credential. Sounds are user configurable and are uploaded to one or all TAS12-OEMs from a server utility.

POWER SUPPLY AND MOUNTING HARDWARE

A 110/220VAC power supply is included to provide power to the TAS12-OEM. The power supply steps down primary power to 12VDC/5VDC operation. An attachment plate and hardware is included to attach the TAS12-OEM to the lid of a third party turnstile.

OPERATION AND INTERFACE

OPERATING MODES

The TAS12-OEM is used in the following operational modes:

Patron Self-Validation Patron is instructed by screen prompts to scan their credential which is validated by the access control system. If the presented credential is valid, the device plays the associated "valid" sound file and instructs the patron to enter. Lights in the rear of the scan head provide notification of the presented credential status for attendants.



Screen prompts can be customized by the venue.

Attendant Operation and Diagnostics

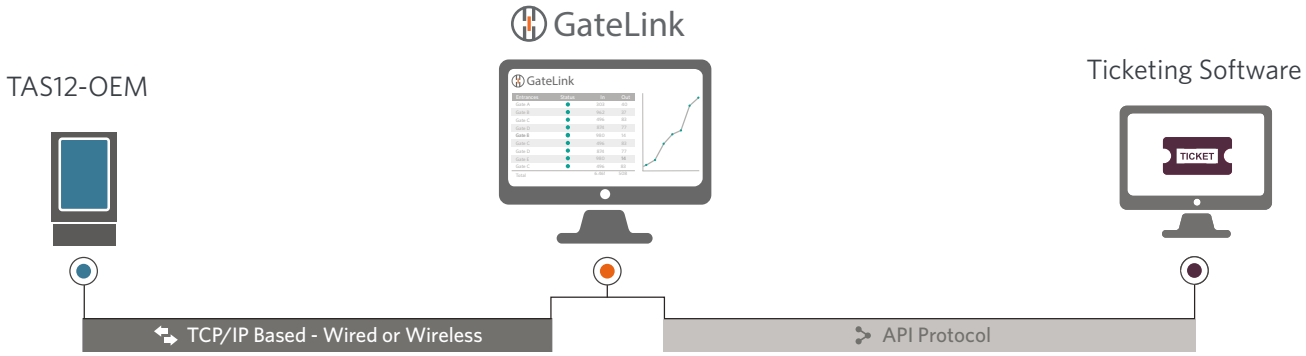
Logging in via the touchscreen display provides attendants access to various functions, such as information-only ticket lookups, overrides and manual credential input. A diagnostic/configuration menu, also accessed through the touchscreen, allows authorized personnel to make configuration changes and test product functionality.

Interface to Access Control System

The TAS12-OEM interfaces to Alvarado's entertainment facility access control system, GateLink10. Customers with an existing access control system can integrate directly to TAS12 devices following Alvarado's *DirectConnect API* command structure. In either case, communication is via wired or wireless TCP/IP.

TAS12-OEMs provide various methods of offline validation in the event that communication between the pedestals and access control system is interrupted.

Using Alvarado's GateLink10



Using Alvarado's *DirectConnect API*



AVAILABLE FINISHES

STAINLESS STEEL

The scan head and attachment bracket are fabricated from #304 stainless steel polished to a #4 satin finish.

OPTIONS

ALTERNATIVE MEDIA READERS

Other media readers such as an NFC/RFID reader or magnetic stripe reader can be utilized with the TAS12-OEM. NFC/RFID readers are typically installed on the underside of turnstile lid with the read area covered by cast acrylic. This allows credentials to be validated by holding the credential over the reader.

VINYL COVER

Vinyl covers are available to protect units when not in use.

WIRELESS COMMUNICATION

Wi-Fi communication (802.11a,b/n).

SHIPPING AND SITE PREPARATION

SHIPPING

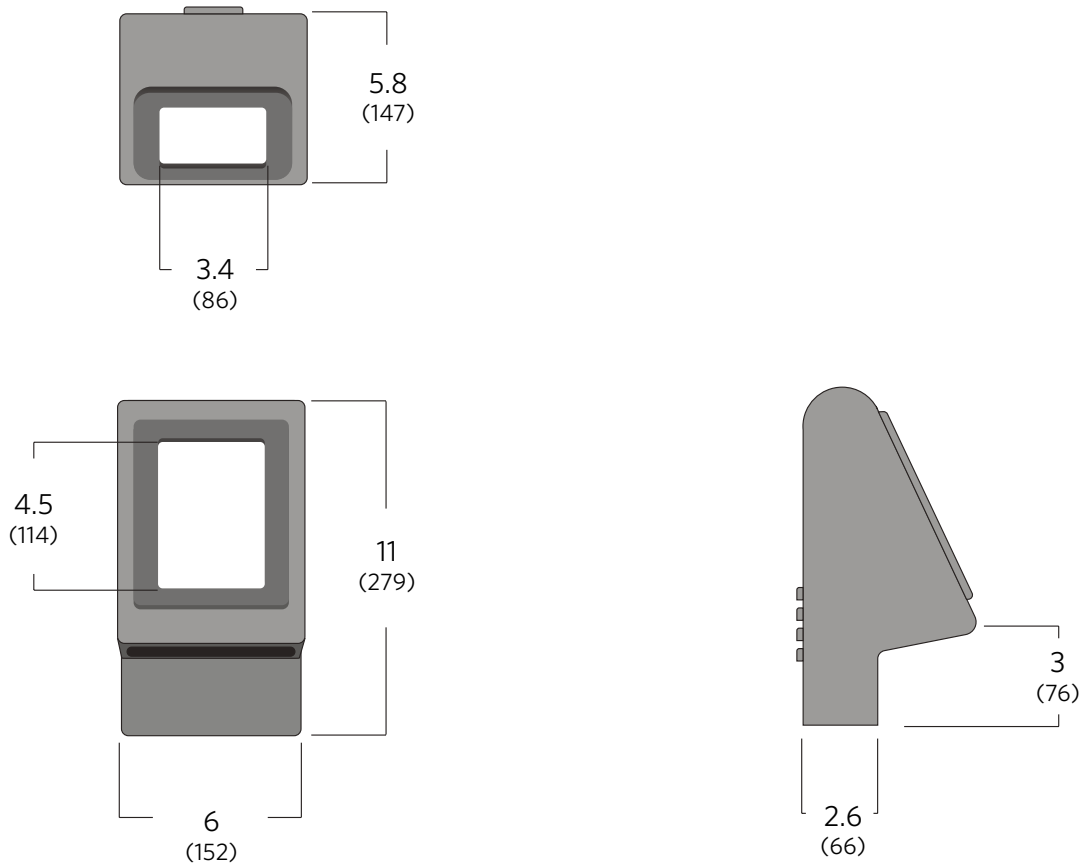
The TAS12-OEM is shipped assembled. The attachment bracket and power supply are shipped loose for attachment on site.

SITE PREPARATION

The TAS12-OEM is designed for installation on third party equipment. Coordinate with Alvarado for proper field attachment and wiring.

TECHNICAL DIMENSIONS

Dimensions are shown in inches (mm). All measurements are approximate.



Electrical	Description	
UL Rated Power Supply	110-120 VAC, 60 Hz or 220-240 VAC, 50 Hz (optional)	
Power Requirements	Maximum power consumption is 28W per TAS12-OEM.	
Operational Voltage	Primary power is stepped down and rectified for low voltage 12VDC and 5VDC operation.	
Surge Protection	Alvarado suggests the use of surge protection equipment in connection with the installation to protect electronics.	
Weights and Environmental		
Product Weight	6 lbs.	3 kg;
Shipping Weight	8 lbs.	4 kg; | Includes shipping box(s)
Operating Temperature*	-15° to 122° F	-10° to 50° C
Storage Temperature	-30° to 160° F	-34° to 70° C

WARRANTY

For a period of one year from the date of purchase, Alvarado will replace or repair, at Alvarado's option, any products or parts which are defective in materials or workmanship, provided recommended installation and maintenance procedures are followed. This warranty is void if damage is due to improper installation, maintenance or use. This warranty is limited to parts only, and does not cover labor or shipping charges incurred in connection with the removal or replacement of warranted products or parts.

This warranty is expressly made in lieu of any and all other warranties, expressed or implied, including, but not limited to implied warranties of merchantability and fitness for a particular purpose. Alvarado shall not be liable for any loss or damage, directly or indirectly, arising from the use of purchased products. In no event shall Alvarado be liable to buyer for consequential damages, special damages, incidental damages, loss of use, business interruption, loss of profits, or damages of any kind arising out of the use or inability to use a purchased product. In no event shall Alvarado be liable for damages which exceed the purchase price of a covered product.