ALVARADO

protecting assets and controlling the flow of people

model TAS12-AS2

DESCRIPTIVE SPECIFICATIONS



The TAS12-AS2 is an intelligent admission station consisting of two barcode scanners, color TFT touchscreen displays, and an advanced controller that communicates with Alvarado server based gate admission software via TCP/IP. The device is attached to a fixed pedestal.

COMMON APPLICATIONS

- Front Gate Entry Control
- Patron Self-Scanning
- Attendant Assisted Entry
- Stroller/Disabled Entry

TYPICAL INSTALLATION SITES

- Stadiums & Arenas
- Zoos & Aquariums
- Theme Parks

FUNCTION

The TAS12-AS2 is used for entry/exit validation, patron self-scanning, or attendant assisted applications where it is beneficial to provide an operator a dedicated barcode scanner and touchscreen control. Typical examples of attendant assisted applications include family and disabled entry areas, biometric validation or multiple entries associated with a single credential (group entry).

Implementation of the TAS12-AS2 is highly flexible and can be application specific through software customization. At a high level, barcoded credentials are presented to the admission station by either the patron or attendant. The Alvarado gate admission software validates the presented credential and the status of the credential is communicated through user-defined screen graphics and audio sounds. Where desired, screen prompts are coordinated between the patron and attendant screens, allowing highly effective interaction during the entry and validation process.

The TAS12-AS2 operates in conjunction with Alvarado's server based admission control software:

GateLink 10 - A complete entertainment facility admission control application, suitable for use at stadiums, arenas and entertainment venues such as zoos and theme parks. GateLink is installed in 100's of venues around the world and has been used to validate nearly one billion tickets.

AVAILABLE CONFIGURATIONS

TAS12-AS2

- **TAS12 (screens facing both patron and attendant)**
  - Advanced controller
  - Dual Internal 1D/2D barcode scanners
  - Dual Color TFT displays with touchscreen
  - Internal speakers with custom audio
  - Wired TCP/IP communication
- **Fixed pedestal**

TAS12-AS1

- **TAS12**
  - Advanced controller
  - Internal 1D/2D barcode scanner
  - Color TFT display with touchscreen
  - Rear-facing attendant notification lights
  - Internal speaker with custom audio
  - Wired TCP/IP communication
- **Fixed pedestal**

Main Options (see Options page)

- Alternate media readers (magnetic stripe, NFC, RFID, fingerprint etc)
- Wireless communication (Wi-Fi)
- Relay for access device (turnstile/gate) activation

TAS12-AS2 COMPONENTS & FUNCTIONALITY

BARCODE SCANNER

A 1D/2D barcode scanner is internally-mounted within the TAS12-AS2. The scanner reads both printed and digital barcodes. Alternate media readers, such as NFC, RFID or fingerprint, can be integrated (see Options).

TFT DISPLAY WITH TOUCHSCREEN

A 5.7" (diagonal) touchscreen color display is protected by a powdercoated, die cast bezel. The bright display (700 nit) is visible in sunlight and has an 85°C temperature rating. User definable graphics notify patrons of credential status. Advertisements can also be displayed. Graphics are easily changed using an Alvarado server utility.

ATTENDANT NOTIFICATION LIGHTS

Bright LED notification lights are flush mounted in the back of the TAS12-AS2. They are user configurable and typically set to function in the following manner:



Yellow - An illuminated yellow LED indicates that a flagged credential has been validated, such as a child ticket.

Green - An illuminated green LED indicates that a valid credential has been presented.

Red - An illuminated red LED indicates that an invalid credential has been presented.

Red (flashing) - A flashing red LED indicates a network communication error (offline).

INTERNAL SPEAKER WITH CUSTOM AUDIO

Audible sounds (.wav files) are user configurable and are uploaded to one or all devices from Alvarado server utilities. Sounds are typically used to notify patrons and attendants of the validity of the presented credentials, or error conditions.

OPERATION & INTERFACE

OPERATING MODES

The TAS12-AS2 can be used in the following venue-configurable operational modes:

Patron Self-Validation - Patrons present bar code credentials to the device. The presented credential is validated and instructions to the patron are provided through user definable graphics and sounds. Attendant notification is provided by the rear facing TFT screen.

Entry/Exit Validation - Patrons present bar coded credentials to the device. The presented credential is validated and instructions to the patron are provided through user definable graphics and sounds.



TAS12 screen prompts can be customized by the venue.

Attendant Assistance - The rear touchscreen is used by the attendant for various functions such as log-in, entry override, media lookup, biometric validation assistance, or multiple entries associated with a single credential (group entry).

INTERFACE TO SERVER APPLICATIONS

The TAS12-AS2's advanced controller communicates in real-time with Alvarado server-based admission software, either GateLink10 or GateConnect. Communication to Alvarado server applications is via wired or wireless TCP/IP (see Options).

ON-SCREEN DIAGNOSTIC TOOLS

On-screen diagnostics are provided to test product functionality.

MAIN OPTIONS

ALTERNATE MEDIA READING

Additional devices, such as fingerprint, RFID or magnetic stripe readers may be utilized. Contact Alvarado for information.

WIRELESS COMMUNICATION

A water-resistant, wireless antenna provides communication to the facility wirless network. Wireless communication is 802.11b-g.

PRINTER COMMUNICATION

TAS12-AS2 can communicate with specific printers for ticket, receipt or coupon printing. Contact Alvarado for information

RELAY BOARD

Allows activation (unlocking) of turnstiles and gates. Contact Alvarado for information.

ALTERNATE POWER SUPPLY

A 220-240 VAC, 50 Hz power supply is utilized.

POWDER COATED FINISHES

TAS12-AS2 cabinet and post can be powder coated.

VINYL COVERS

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

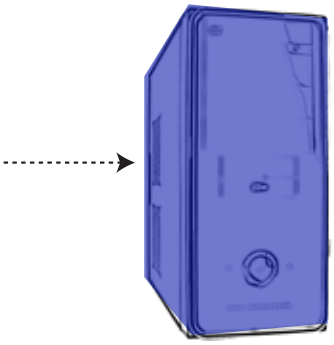
TYPICAL CONFIGURATION

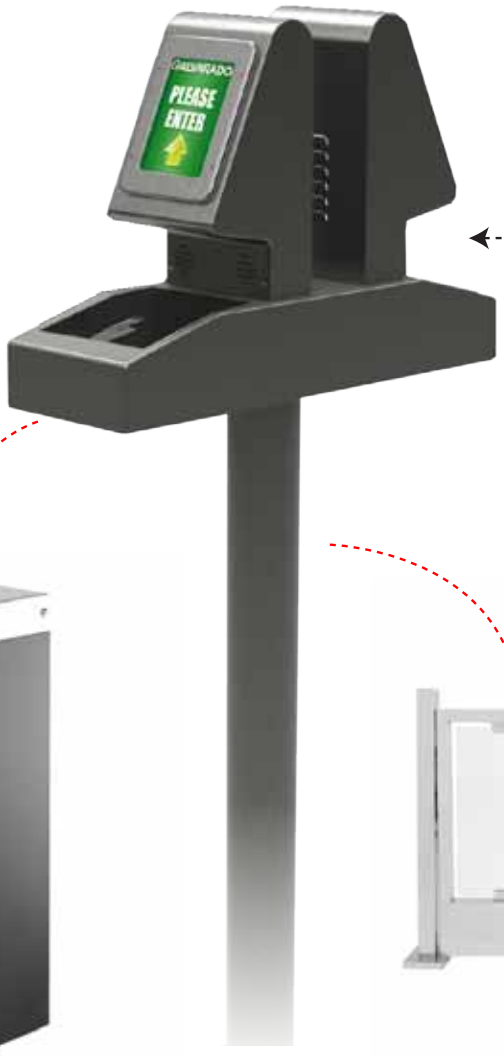
Alvarado Admission Software

Ticketing System



Real-time Data Exchange
& Reporting







Credential Validation

Barcode
Magnetic Stripe*
RFID*
Fingerprint*
NFC*

*Optional



Unlock Turnstiles



Unlock Gates

MATERIALS & FINISHES

The outer skin and post of the TAS12-AS2 is fabricated from stainless steel polished to a #4 satin finish. The touchscreen frame is die cast aluminum with a gray powder coat finish.

SHIPPING & SITE PREPARATION

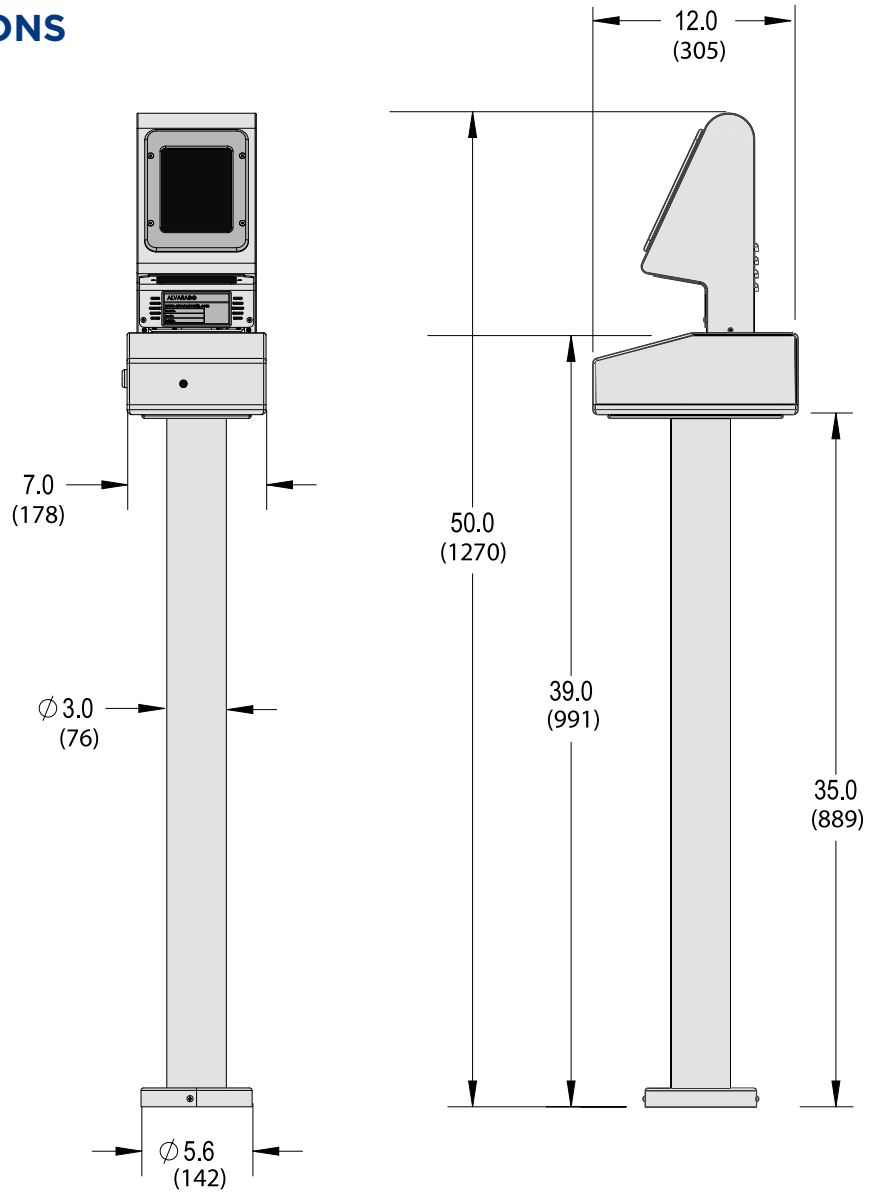
SHIPPING

TAS12-AS2 ships in easy to assemble sub-assemblies. All required hardware is included.

INSTALLATION

Installation should be performed by a skilled installer following Alvarado's instructions. Detailed drawings and installation manuals are available.

TECHNICAL DIMENSIONS



Dimensions are shown in inches (mm)

ELECTRICAL - TAS12-AS2	
	DESCRIPTION
POWER SUPPLY	110-120VAC, 60 Hz or 220-240VAC, 50 Hz (optional)
POWER REQUIREMENTS	Maximum power consumption is 30W per unit.
OPERATIONAL VOLTAGE	12 VDC and 5 VDC operation.

WEIGHT, DIMENSIONS, ENVIRONMENT		
	STANDARD	METRIC
PRODUCT WEIGHT	73 lbs.	34kg
SHIPPING WEIGHT*	123 lbs.	56kg
HEIGHT	50”	1270mm
WIDTH	7”	178mm
DEPTH	12”	305mm
OPERATING TEMP. RANGE**	-15° to 122° F	-10° to 50° C

* Includes weight of shipping crate.

** TAS12-AS2 units are engineered to operate in an outdoor, covered, environment.

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.