ALVARADO

protecting assets and controlling the flow of people

model TAS12-OEM

DESCRIPTIVE SPECIFICATIONS



The TAS12-OEM is an intelligent admission device designed to integrate with third party turnstiles and gates. It is used for both patron self-validation and attendant assisted entry applications. The device is used in conjunction with Alvarado's server based admission control software.

COMMON APPLICATIONS

- Front Gate Entry Control
- Patron Self-Scanning
- Attendant Assisted Entry

TYPICAL INSTALLATION SITES

- Stadiums & Arenas
- Zoos & Aquariums
- Theme Parks
- Custom Entry Locations

FUNCTION

The TAS12-OEM can be used indoors, or outdoors in a covered environment. It integrates with access control devices through an optional relay.

The TAS12-OEM operates in conjunction with one of Alvarado's two server based admission control software applications.

GateLink 10 - A complete entertainment access 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.

GateConnect - An application that allows a third-party access control system to receive and send data to/from Alvarado intelligent admission devices.

AVAILABLE CONFIGURATIONS

TAS12-OEM

- 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

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
- 5VDC; 12VDC power supply

TAS12-OEM COMPONENTS & FUNCTIONALITY

BARCODE SCANNER

A 1D/2D barcode scanner is internally-mounted within the TAS12-OEM. 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) color display is housed in the TAS12-OEM, 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-OEM. 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 TAS12 devices from Alvarado server utilities. Sounds are typically used to notify users of the validity of the presented credentials, or error conditions.

OPERATION & INTERFACE

OPERATING MODES

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

Patron Self-Scanning - 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. Lights in the rear of the device provide notification to an attendant of the status of the presented credential.

Attendant Operation - The touchscreen is used by the attendant for such functions as log-in, entry override, media lookup, or manual credential input. Custom touchscreen functionality, for either patrons or attendants, can also be developed by Alvarado.



TAS12 screen prompts can be customized by the venue.

INTERFACE TO SERVER APPLICATIONS

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

ON-SCREEN DIAGNOSTIC TOOLS

The TAS12-OEM provides multiple on-screen diagnostics to test barcode scanning, audio settings, on-screen messages and touchscreen functionality.

MAIN OPTIONS

ALTERNATE MEDIA READING

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

ADDITIONAL TAS12-OEM

A second TAS12-OEM is added for attendant use or to implement entry/exit validation applications.

WIRELESS COMMUNICATION

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

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

The TAS12-OEM can be powder coated.

VINYL COVERS

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

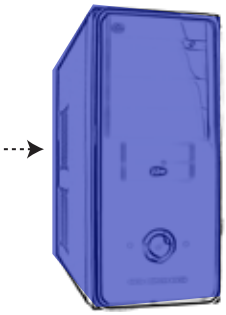
TYPICAL CONFIGURATION

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 of the TAS12-OEM 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

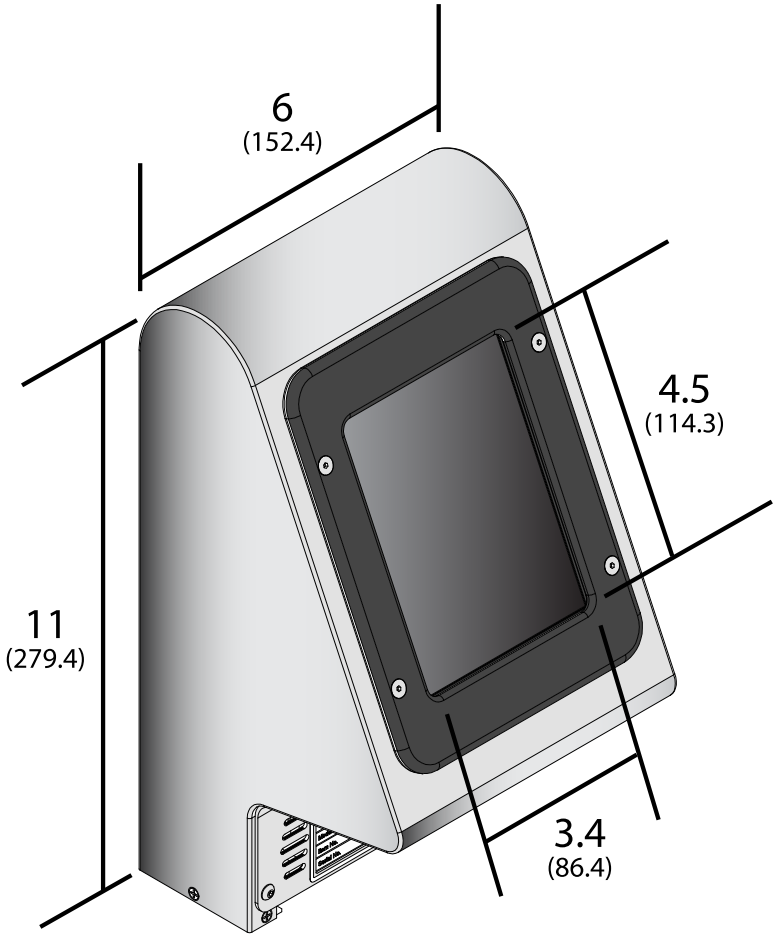
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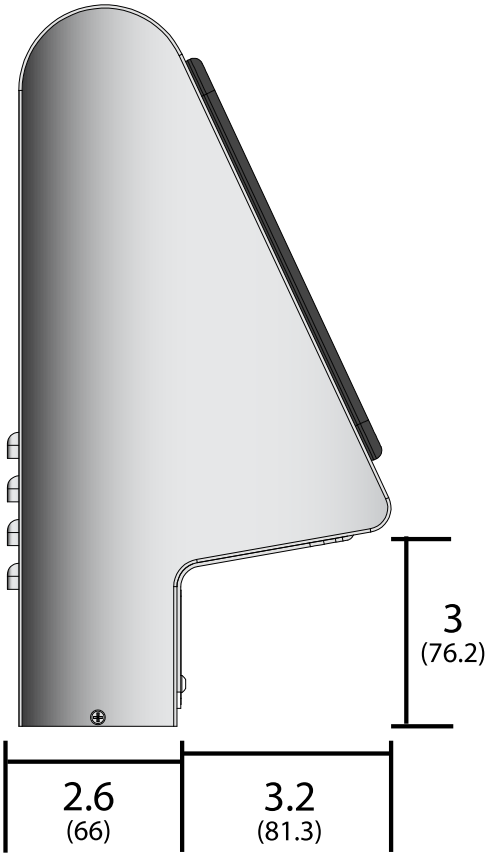
TAS12-OEM devices are shipped fully assembled.

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-OEM	
	DESCRIPTION
POWER SUPPLY	110-120VAC, 60 Hz or 220-240VAC, 50 Hz (optional)
POWER REQUIREMENTS	Maximum power consumption is 15W per unit.
OPERATIONAL VOLTAGE	12 VDC and 5 VDC operation.

WEIGHT, DIMENSIONS, ENVIRONMENT			
	STANDARD	METRIC	
PRODUCT WEIGHT	8 lbs.	3.63 kg	
SHIPPING WEIGHT*	10 lbs.	4.54 kg	* Includes weight of packaging.
HEIGHT	11”	279mm	
WIDTH	6”	152mm	
DEPTH	5.8”	147mm	
OPERATING TEMP. RANGE**	-15° to 122° F	-10° to 50° C	

** TAS12-OEM 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.