MODEL: CPW322AS

Structure Chart
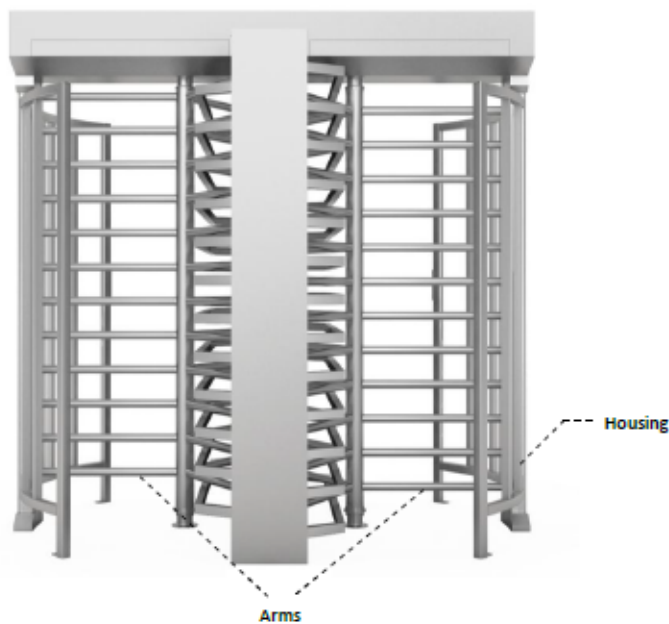
Housing

Arms

Product Description:

■ Three-arm full height turnstile: double passageway; effectively prevent crawling and climbing; with impact resistance.

■ The housing is made of high quality stainless steel, and all the internal parts are with antirust and antiseptic treatment, therefore, the turnstile is durable. The whole machine works stably, mute, with low power consumption, energy conservation and environment protection.

■ With Semi-auto structure, after turnstile receives a legal signal, people need to manually push the arms to finish one passing action. The turnstile works stably, safely, and reliably.

■ With large hinder area can achieve one time to pass one person effectively, and it's suitable to be used at the smaller visitor flow rate and high security required occasions.

■ At the low-temperature environment, can be customized to install the constant temperature systems in the turnstile according to the requirement of customers.

■ Provide the control software for human-machine interface and SDK protocol freely. It can achieve batch control and debugging function conveniently and the expansibility is very strong.
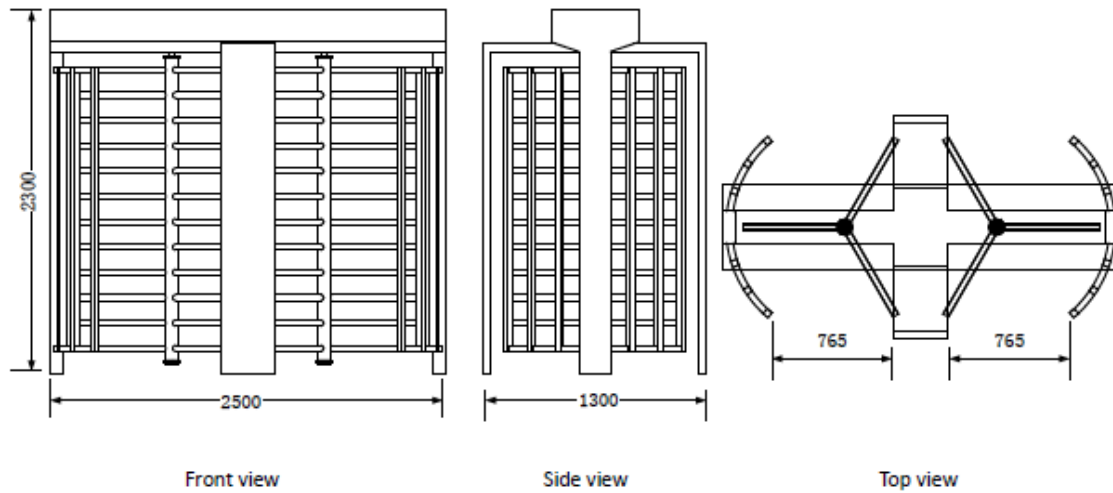
Model Applications

■ High security occasion

■ Office building occasion

■ Resident occasion

■ Business building

■ Industrial facility

Dimension Figure (Unit: mm)

Front view   Side view   Top view

Basic Function:

■ **Passing mode:** 【controlled mode】/【 free mode 】/【 forbidden mode】 (The entry and exit can be set independently)

■ **Operation mode:** Normally open

■ **Automatic reset function:** Full height turnstile will return to the hindered zero position automatically when the passing is finished, stable and no shaking.

■ **Self-recovery function:** Full height turnstile does not return to the hindered zero position because of something abnormal. And full height turnstile will automatically recover to the hindered zero position when it is over the set time.

Custom made feature

1 Normally closed mode
2 The timeout of automatic reset and self-recovery can be adjusted. The self-recovery function can be customized to be remote recovery function by manually control.

Special Function:

■ **Unique dynamic monitoring function**

■ **Batch setting and debug function:** The turnstile can be batch set and debugged by the software. It will greatly improve the working efficiency and reduce the maintenance cost.

■ **Compatibility:** Equipped with the dry contact signal input interface, Compatible with all kinds of access controllers.

Safety Design:

■ **Open gate when the power is failure :** Open gate when the power off: use the advanced mechanical structure created by CMOLO, the system will unlock the arms when the power off, and it can manually push the arms to freely pass, so it's convenient to evacuate people to accord with the fire-fighting requirement. (Forbidden passing & locking mode is optional when the power off)
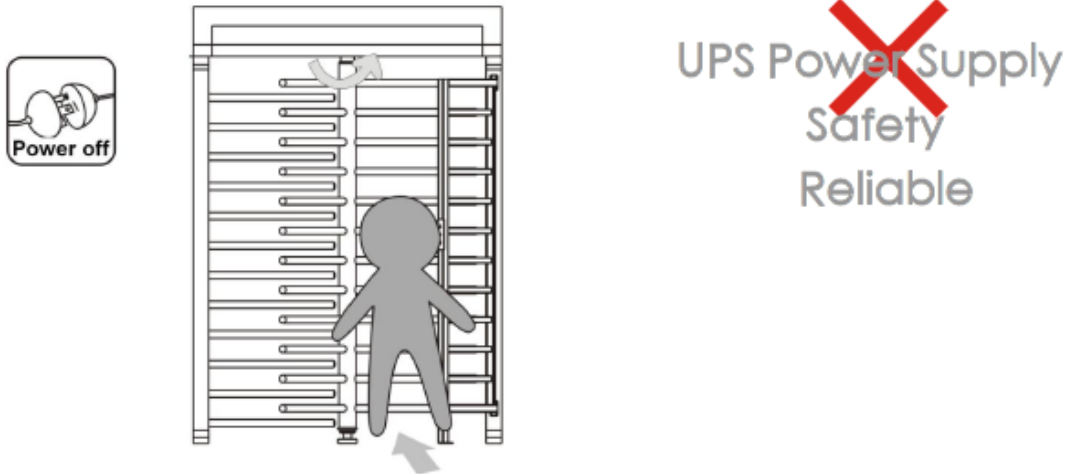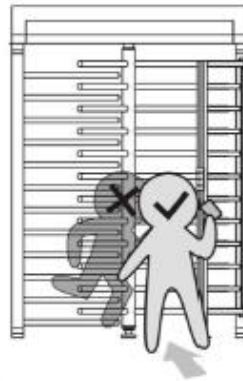

■ **Anti-collision function:** The arms can't be pushed forward when the arms are locked, and it can bear the impulse force within the scope of security.

■ **Emergency escape function:** Equipped with the control device for emergency escape, and the system can open the gate automatically and convenient to evacuate people.

Security Design
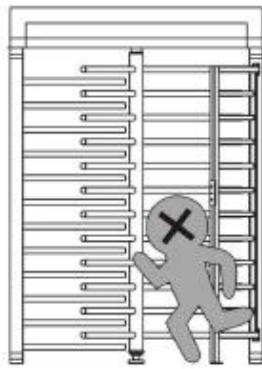
Anti-intrusion

Anti-reverse-rotation pass

Security level

Technical Parameters			
■power and voltage	AC 220V / AC 85 ~ 230V	■operation voltage	DC 24V
■machinery mechanism	**MTHT™** Lossless mechanism	■rated power	25W(normally open)
■communication interface	RS485 / RS232	■working environment	Indoors/outdoors
■passing speed	20 ~ 30 people / min	■humidity temperature	0 ~ 95% (non- condensation)
■operation temperature	- 15℃ ~ 60℃	■operation times	≥5 million times
■control input/output	6 channels relay control output / 4-channel dry contact signal input		

Custom-made Feature:

Appearance, Dimension, Materials and

Surface Treatment

- Appearance can be customized according to the requirement of customers.
- The material of housing can be 316 grade stainless steel.
- The material of arms can be used the grade 316 stainless steel, and the thickness of steel plate can be custom-made.
- The stainless steel surface treatment can be customized: Polishing, electroplating, baking finish and so on, and the color for electroplating and baking finish can be customized.

Integrate with Access Control System

- Integrate with the built-in reader provided by customers
- Customize the installation bracket for reader
- Design the specialized access control systems according to the requirement of customers

Integrate with Visiting Management System

- Integrate with visiting management system provided by customers
- Design the specialized visiting management system according to the requirement of customers

Direction Indicator

- Install the direction indicator in other positions
- Design the shape of the direction indicator according to the requirement of customers

Control button

- with built-in door open button or install the button on the top
- Install the door open & close buttons by wireless remote control
- Configure the door open & close buttons by remote control according to the requirement of customers

Counter

- built-in or external counter

Communicate Interface

- standard CAN bus
- standard Ethernet

Customized Functions:

- integrate with large control software
- customize special alarm response mode
- customize the memory function for multiple passing requests
- customize the passing limit and prohibition function
- customize or adjust other functions, please check the related functional design for details
- For the special customized function, please contact with us directly.

Special Operation Environment

- High temperature environment: Maximum to 80℃
- Low temperature environment: Minimum to -40℃
- Humidity environment: Relative humidity is more than 95%
- corrosive environment