

# Pass box Static / Dynamic

## Descriptions

Pass Box facilitates material transfer between clean rooms with a control card, offering two, three or four interlocked doors based on customer needs. Both Static and Dynamic are in a single design, user can select from the setting. This design prevents simultaneous door opening, mitigating pressure losses and cross-contamination risks. The controlled environment ensures secure transfers, maintaining the integrity of clean rooms in industries like pharmaceuticals and electronics.



## Features

- This microcontroller-based design for a clean room Pass Box includes various features
- LCD 20X4 Displays: Each door equipped with a separate display board.
- Support for up to 4 doors, interlocked to prevent simultaneous opening.
- Electromagnetic locks with door open sensor for feedback.
- Adjustable delay between door actions.
- No-touch option for contact less operation.
- Status indications on LCD and LEDs for each door.
- Buzzer for prolonged open door situations.
- Manual control for UV lamp, FL lamp, and blower with indicators.
- Selectable dynamic and static modes.
- UV lamp life calculation with alarms.
- Door-specific indicators and LED colors (RED for open, Green for closed).
- Real-time clock for accurate timekeeping.
- Automatic process control and audio-visual alarms.
- Manual controls via mechanical keys.
- Alarm mute option for user convenience

\*\*\* Customization Available\*\*\*