

---

**Turnstile Access Control Specification**  
**Manufacturer - Matrix Research Limited**  
**Product Brand - ACX**

## Turnstile Access Control System Specification

1. The turnstile system shall integrate into the lift destination control system and building visitor management system
2. The turnstile shall install a body thermal and wear mask detection device. The device's maximum size shall be limited to 120mm (L) x 80mm (W) x 75 (H). The device can enable or disable the facial recognition feature. The device can enable or disable temperature and wear mask check features. The device shall install on top of the turnstile top surface area. The device measure body temperature and wear mask conditions, the response time shall be less than 1.5 second
3. The body thermal and wear mask detection device shall cater to people's height from 1.2m to 1.9m and also cater to the people in wheelchairs.
4. The turnstile shall install a multi-technology reader for different access conditions. The access credential shall include 13.56MHz and/or Octopus, Palm Vein, Facial Recognition, QR code reader which can handle mobile scramble QR code and paper fixed QR code.
5. User can select their registered access credentials to access the turnstile.
6. The turnstile access control shall have global anti-pass back features.
7. The turnstile shall install a 5.5" LCD to display the graphics for body temperature and wear mask notification, the access granted and access denied message, and the destined lift car number if the turnstile system integrates to the lift destination control system
8. The facial recognition algorithm shall be provided by SenseTime or Face++
9. The Palm Vein recognition technology shall be provided by the Fujitsu PalmSecure-F Pro sensor.