

# HARDWARE

SafeGate's hardware includes QR code and RFID card reader, TOF sensor, body temperature sensor and protective mask detector. The last two can be combined into face scanner.

## Wiring

| Device                       | Power supply     | Conected to |                  |
|------------------------------|------------------|-------------|------------------|
| TOF sensor                   | POE              | MC          | GND, IX0, IX1    |
| Temperature and mask scanner | PS: 12 VDC       | MC          | GND, IX2         |
| QR and RFID reader           | CR-W2: +12V, GND | CR-W2       | D0, D1-0, GN-0   |
| Entrance allowed             | -                | CR-W2       | C0 - QX0 (Relay) |
| REED entrance                | -                | CR-W2       | GND - IW0        |
| Button entrance              | -                | CR-W2       | GND - IW1        |
| Exit allowed                 | -                | CR-W2       | C0 - QX1 (Relay) |
| REED exit                    | -                | CR-W2       | GND - IW2        |
| Button exit                  | -                | CR-W2       | GND - IW3        |
| Motion sensor                | MC: +24V, GND    | MC          | IX0              |
| Hand disinfection            | EXT:             | MC          | GND - IO14       |
| Alarm                        | PS: 12 VDC       | MC          | C1 - QX2 (Relay) |
| LED Display                  | EXT: 230 VAC     | MC          | TxD, RxD, GND    |

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