

MCUs

- 3 x Arduino Nano (version 3)
- 1 x Arduino Mega
- 1 x ESP32 38 pins

LEDs

- 5 x red super bright
- 4 x yellow super bright
- 2 x green super bright
- 1 x blue super bright
- 1 x red regular

Resistors

- 12 x 220 ohms 1/2W
- 6 x 330 ohms 1/2W
- 2 x 460 ohms 1/2W
- 2 x 10k ohms 1/2w

Trimmer potentiometers

- 2 x 10k ohms

Push buttons

- 26 x normally open push button

Buzzers

- 1 x 5V active buzzer

Pin sockets

- 185 x 2.54mm

Pin headers

- 62 x 2.54mm

DC-DC step up

- MT3608 DC-DC 2V input, 5V or more output

Relays

- 4 x 12V 5 pins

Diodes

- 6 x 1N4001 or higher

ICs

- HC4511

DIP sockets

- 1 x 16 pins

LED holders

- 13 x for 5mm LEDs

Displays

- 1 x 7 segment, 1 or 1.5 inches

Perfboards

- 1 x 30x20cm (not applicable if using PCBs)
- 3 x 9x15cm (only 2 if using PCBs)

Connectors

- 1 x DC barrel jack for PCB (3 pins)
- 1 x RJ45 jack

Switches

- 1 x DPST
- 1 x SPST

Battery holders

- 2 x 4AA

Radio frequency

- 2 x nRF24L01+
- 2 x nRF24L01 adapters

Matrices LED

- 8 x red MAX7219 matrixes
- 1 x FC-16 green or 4 x MAX7219 green

Power

- 1 x 5V adapter
- 8 x AA batteries (4 for remote, 4 for machine power redundancy)