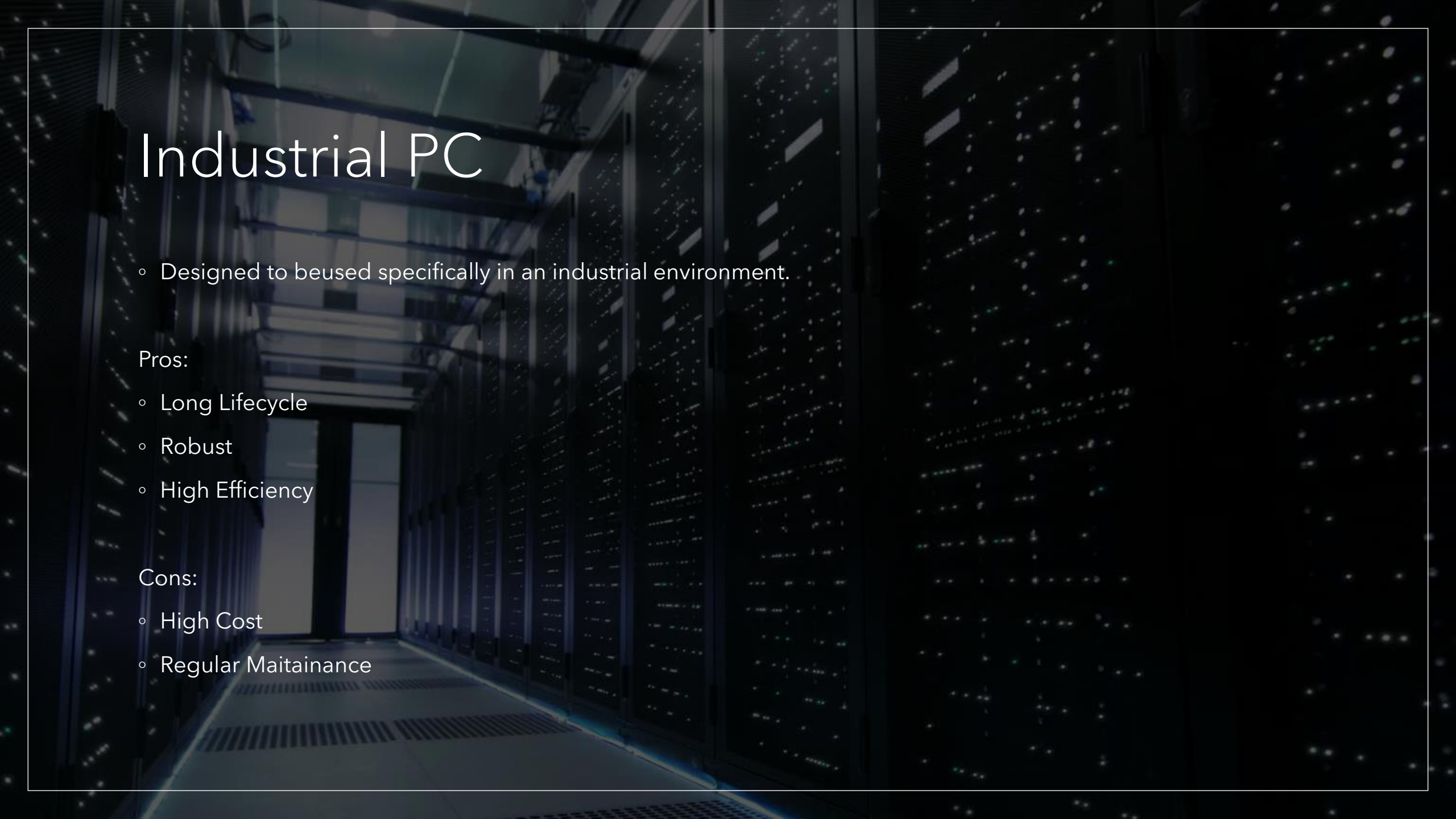
CONTROLLERS

Sit Dolor Amet



Industrial PC

- Designed to beused specifically in an industrial environment.

Pros:

- Long Lifecycle
- Robust
- High Efficiency

Cons:

- High Cost
- Regular Maitainance

Nuvo-5000E

SIMATIC IPC127E

Nuvo-3000

EACIL20

PLC

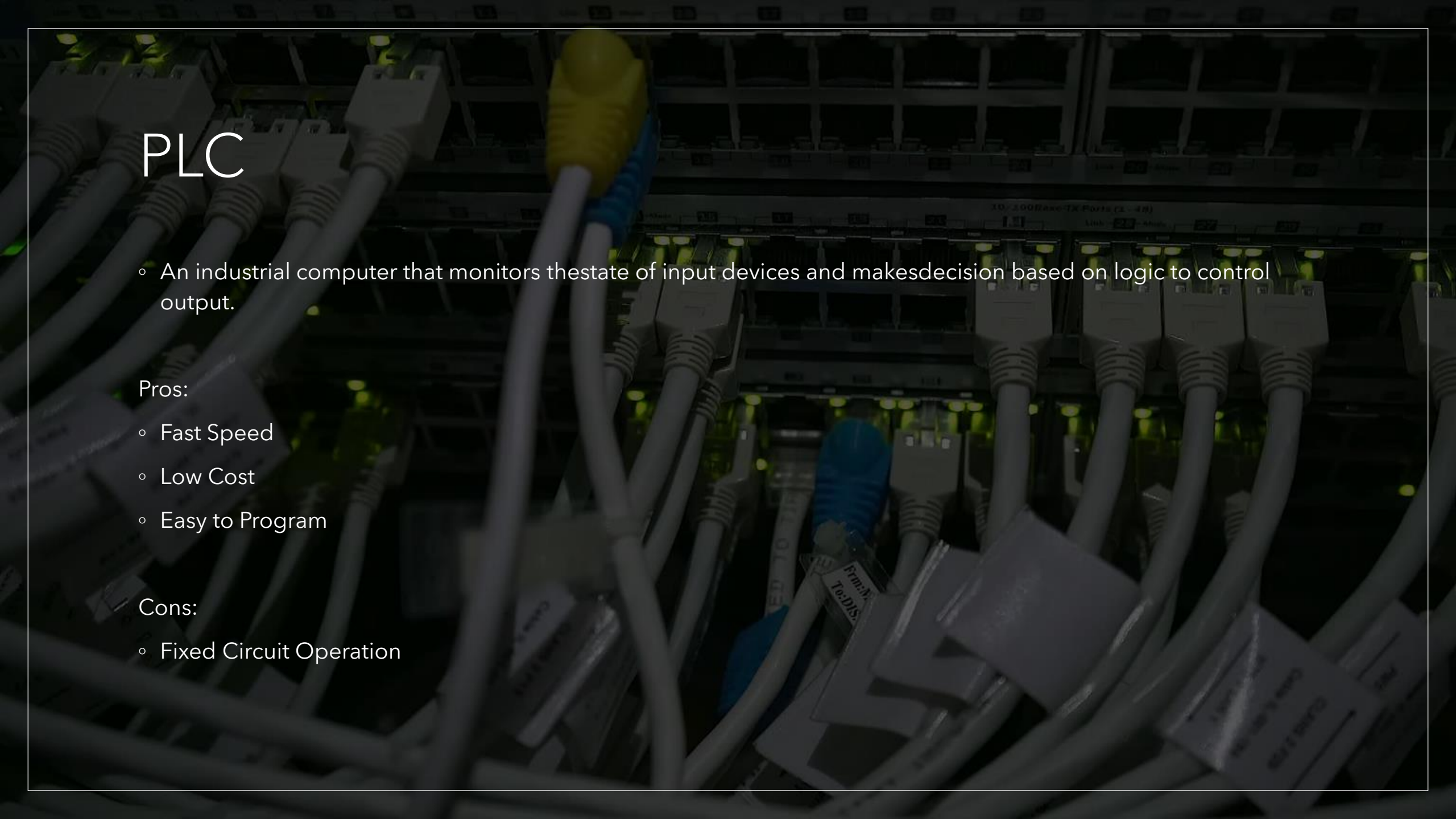
- An industrial computer that monitors thestate of input devices and makesdecision based on logic to control output.

Pros:

- Fast Speed
- Low Cost
- Easy to Program

Cons:

- Fixed Circuit Operation



PLC Logo
Siemens

PLC Zelio
Schneider

Micrologix 1000-1100
Allen Bradley

PLC Fatek FBs

PLC S7-1200 Siemens

PLC FX Mitsubishi

Micrologix 1400 Allen Bradley

PLC S7-1500 Siemens

PLC Modicom M340 Schneider Electric

MICROCONTROLLER

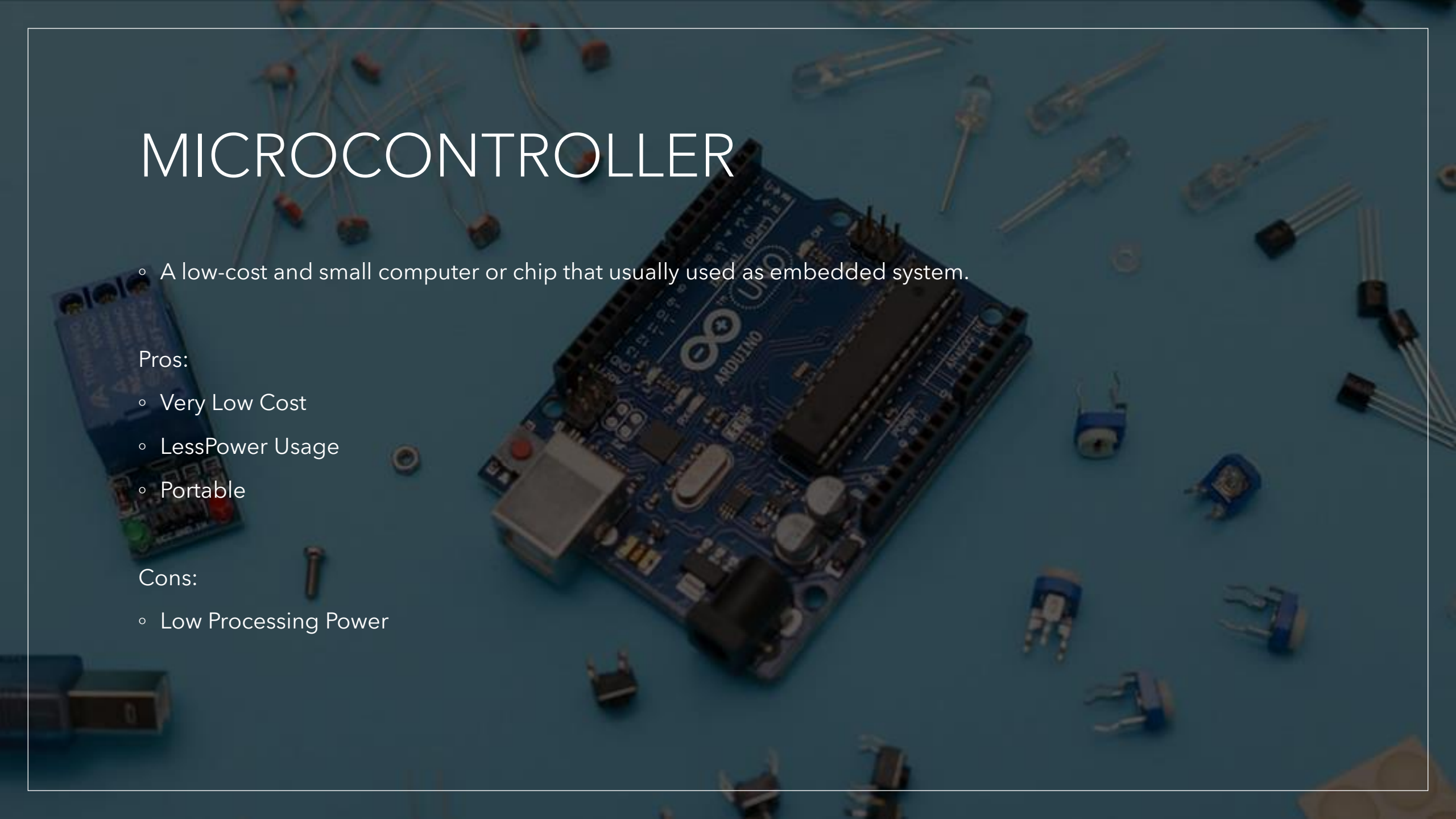
- A low-cost and small computer or chip that usually used as embedded system.

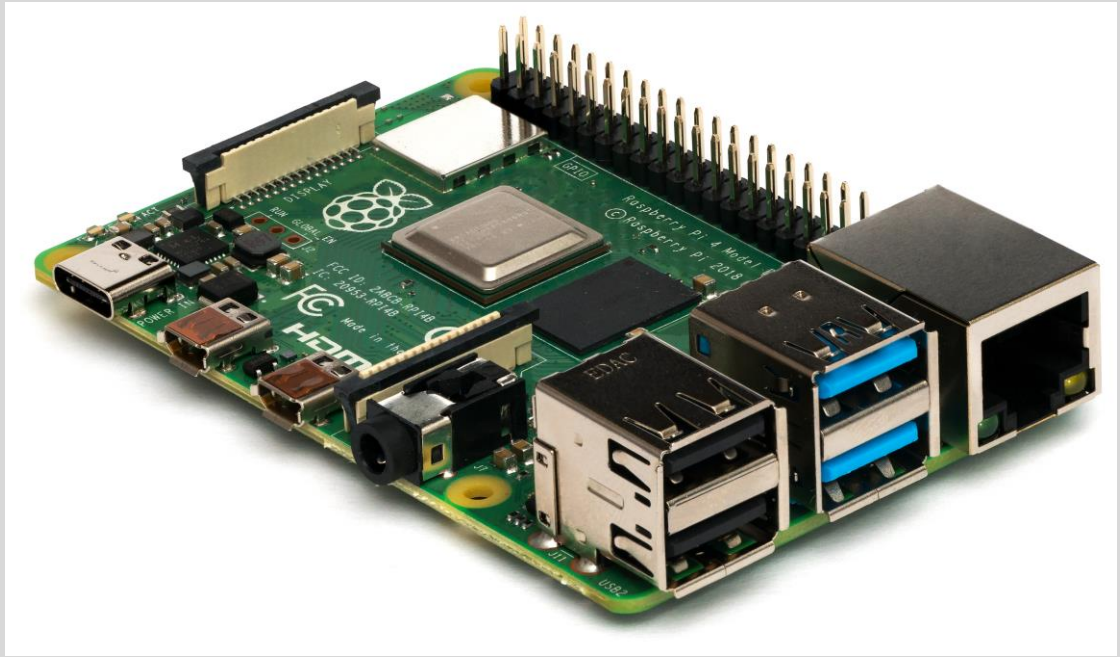
Pros:

- Very Low Cost
- LessPower Usage
- Portable

Cons:

- Low Processing Power





Raspberry Pi 4

Arduino UNO

EDGE AI CONTRLLER

- Combination of both Edge Computing and AI, it runs task such asmachine learning directly on edge devices

Pros:

- Fast Speed
- Secure
- Low Latency

Cons:

- Requires a lot of storage capacity
- Advanced infrastructure

ROScube-X

Avnet Edge AI
Development Kit

MOTOR CONTROLLER

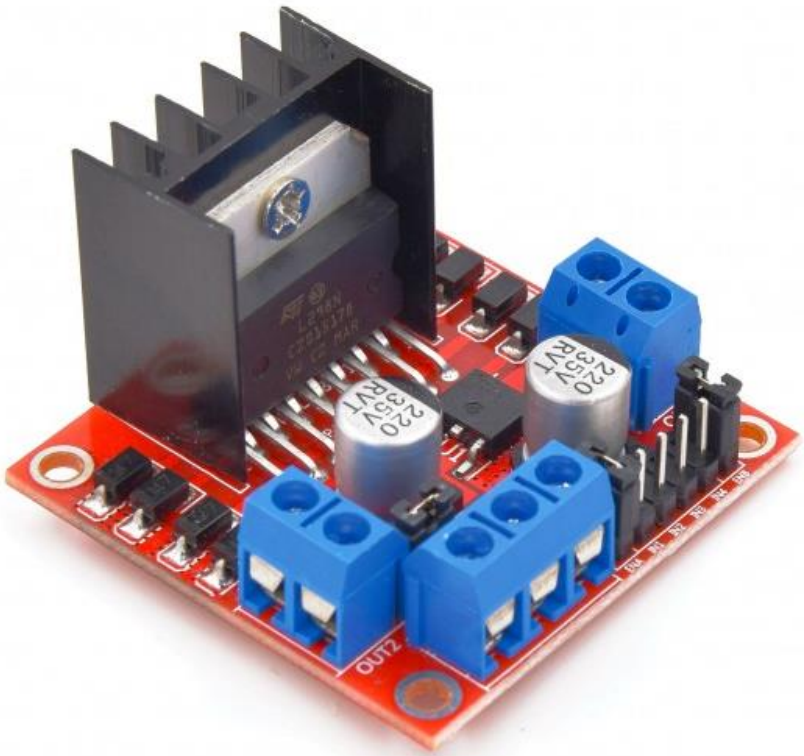
- Control a motor based on instruction or input given by controller.

Pros:

- High Efficiency
- Precise

Cons:

- High Cost



L298N

EM-176